

FIGURE 1

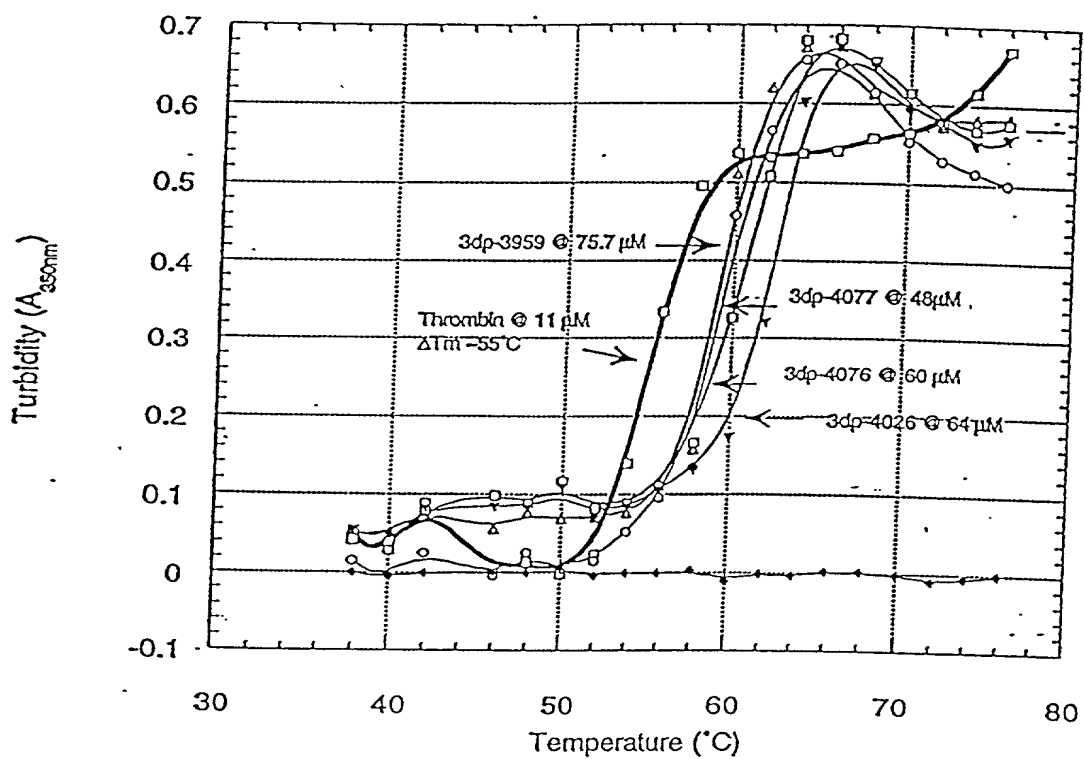


FIGURE 2

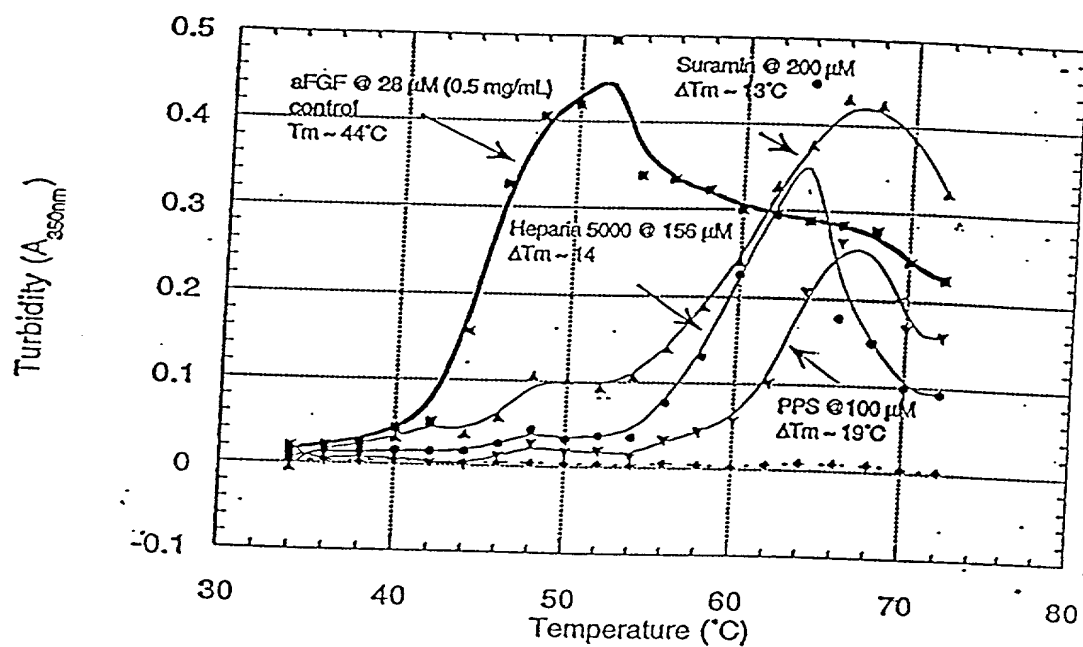


FIGURE 3

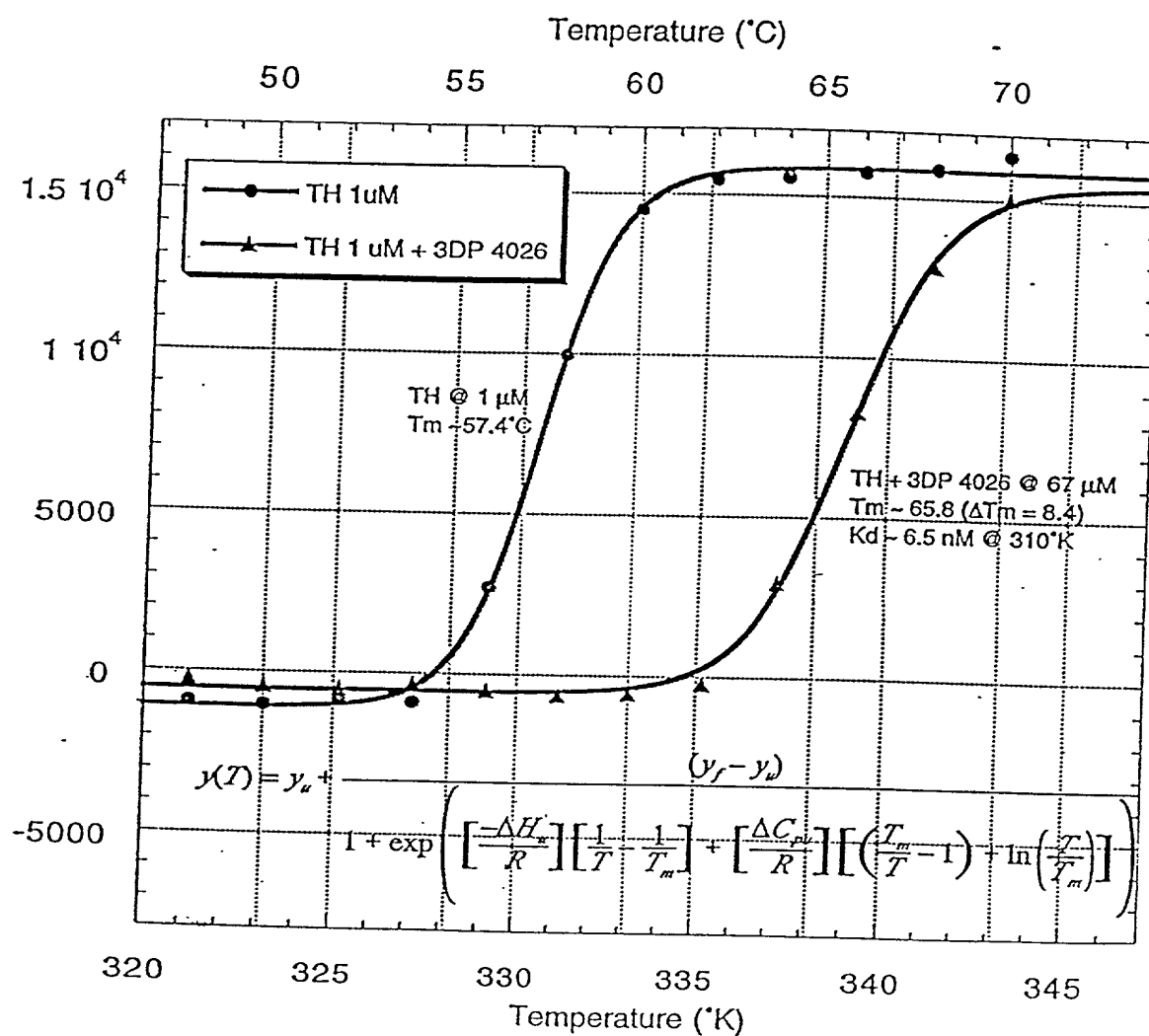


FIGURE 4

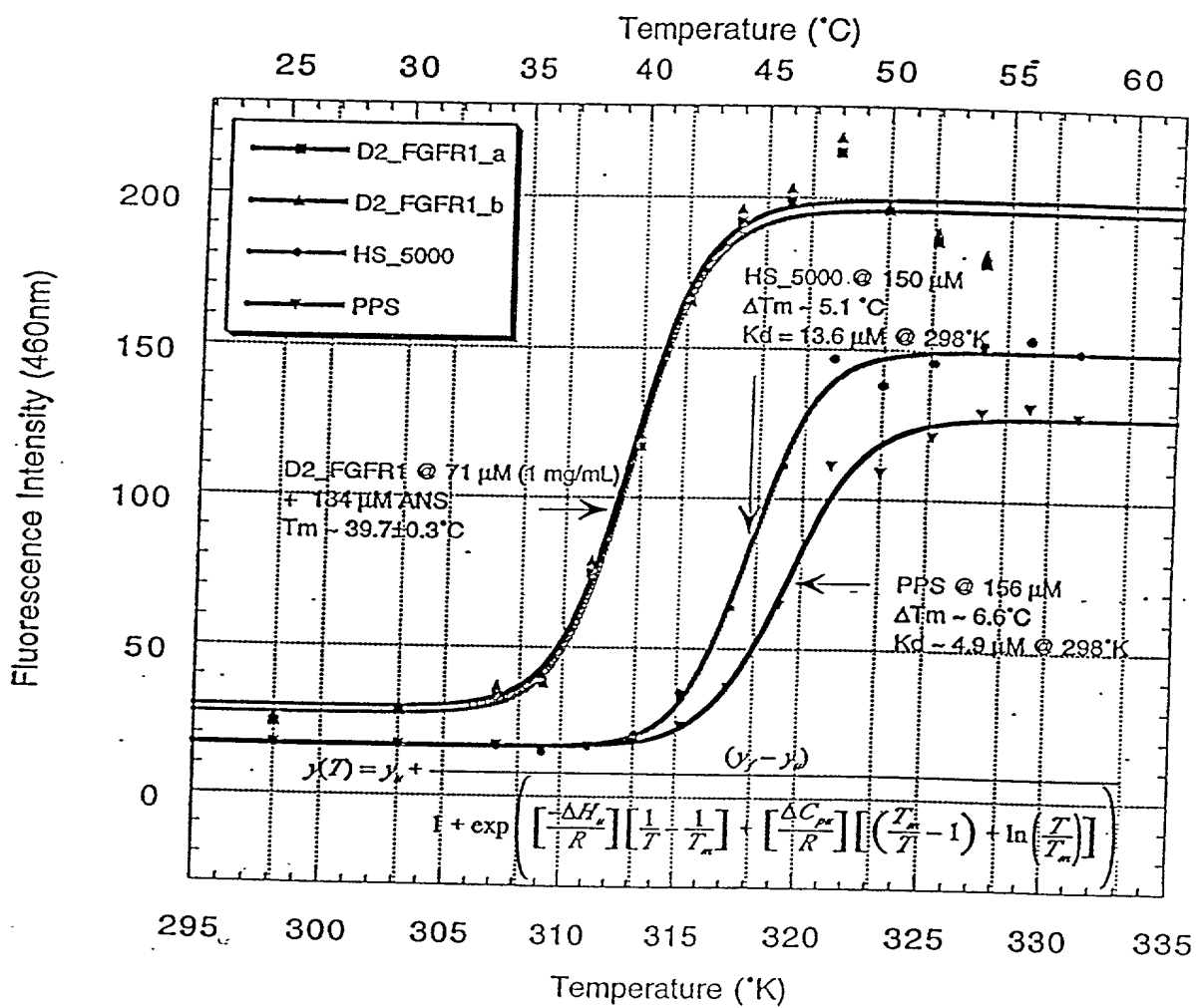


FIGURE 5

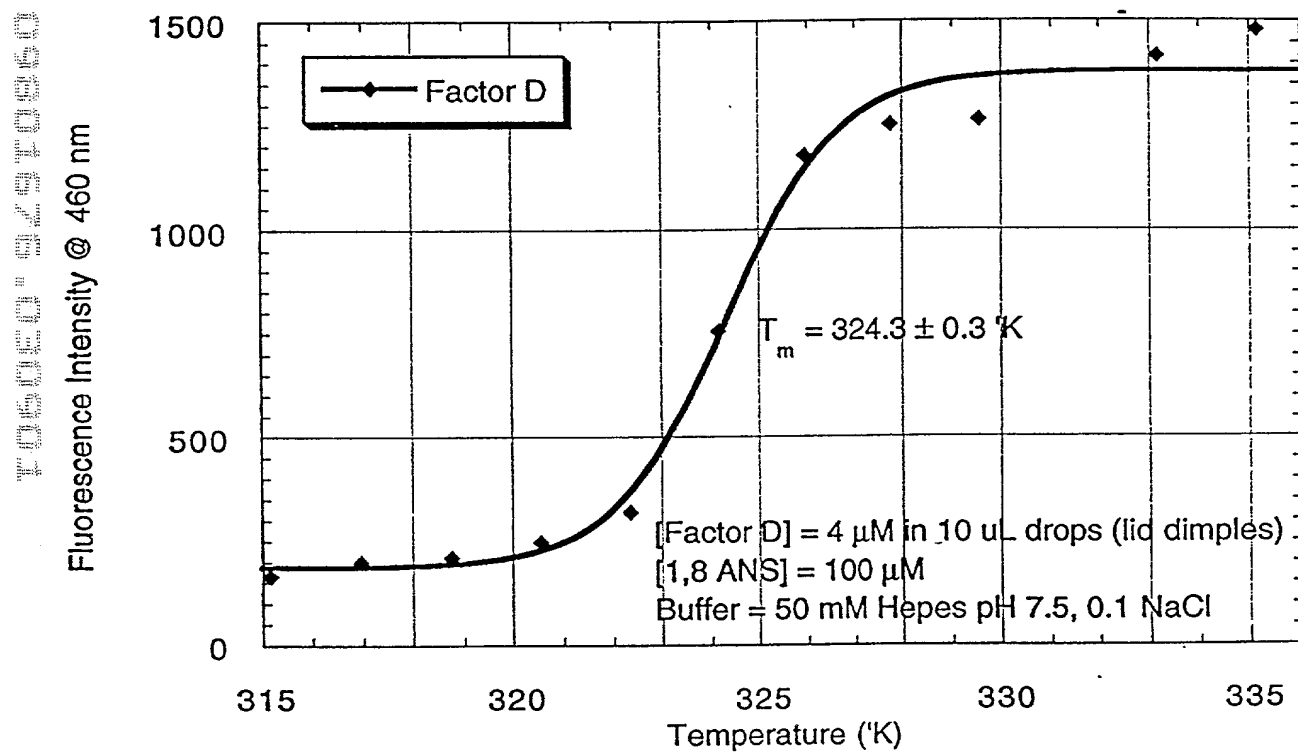


FIGURE 6

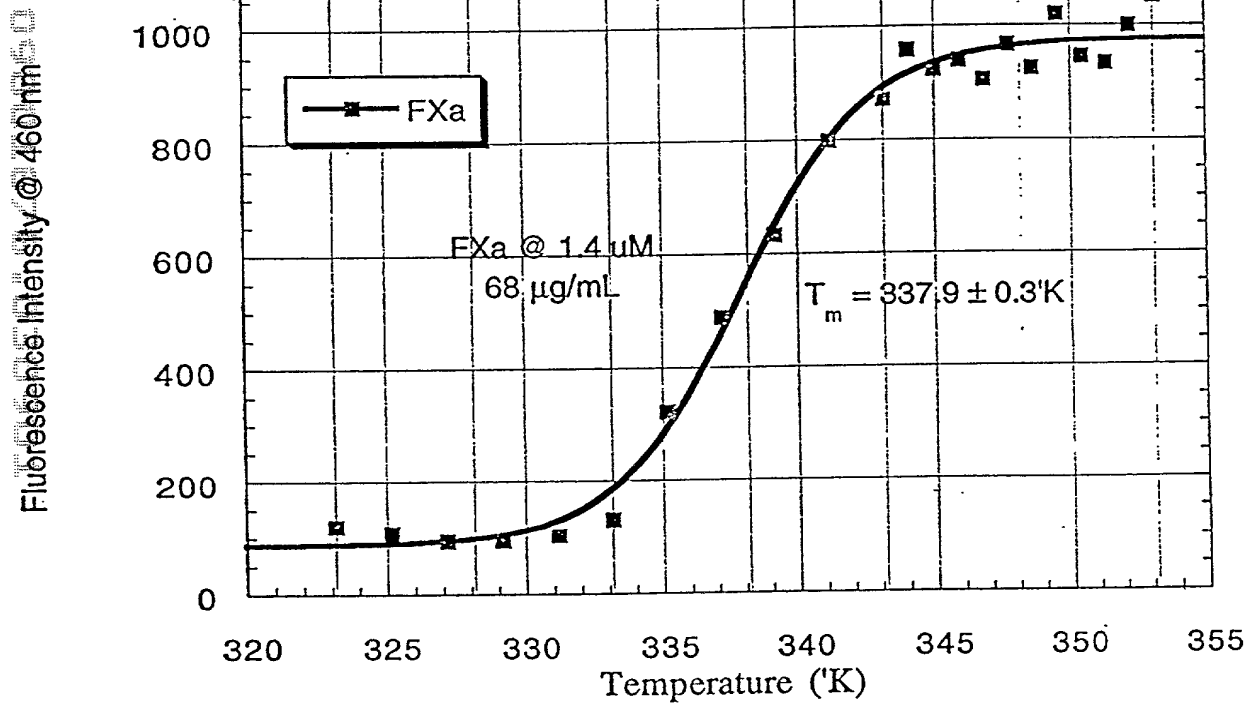


FIGURE 7

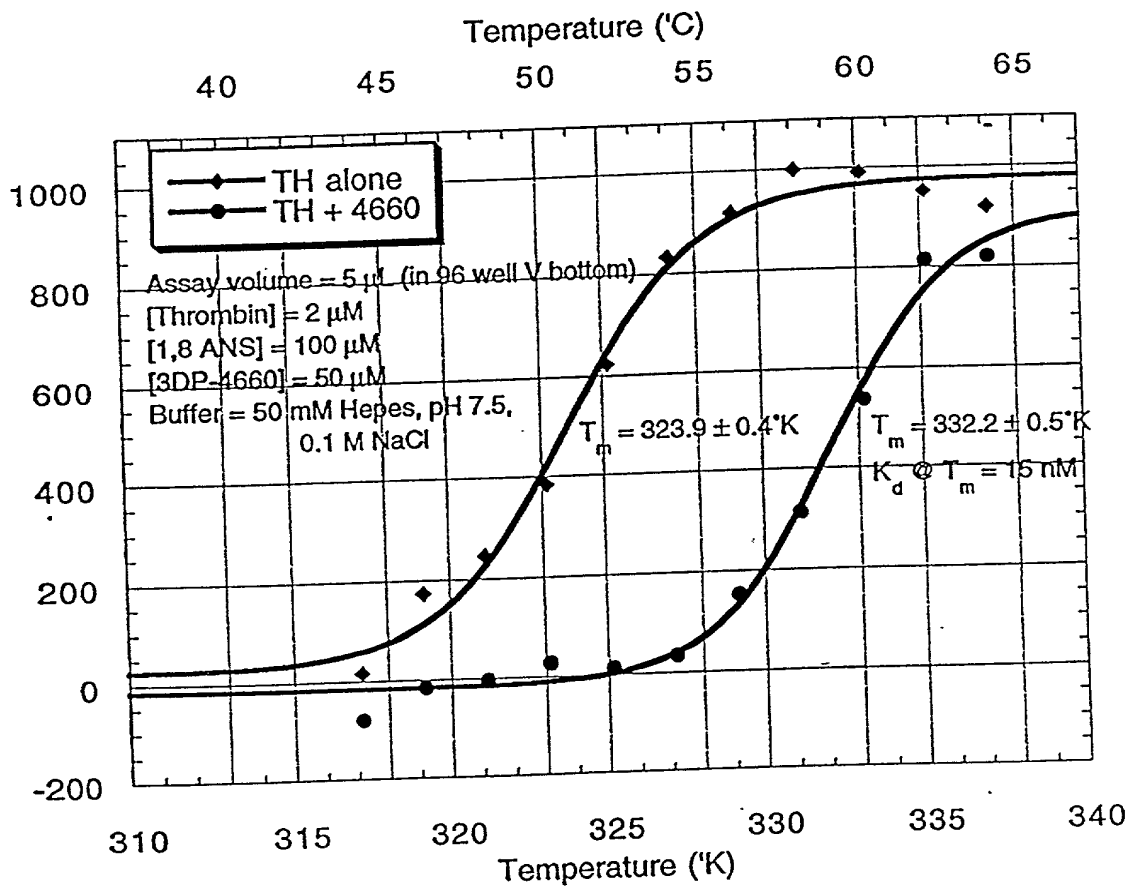


FIGURE 8

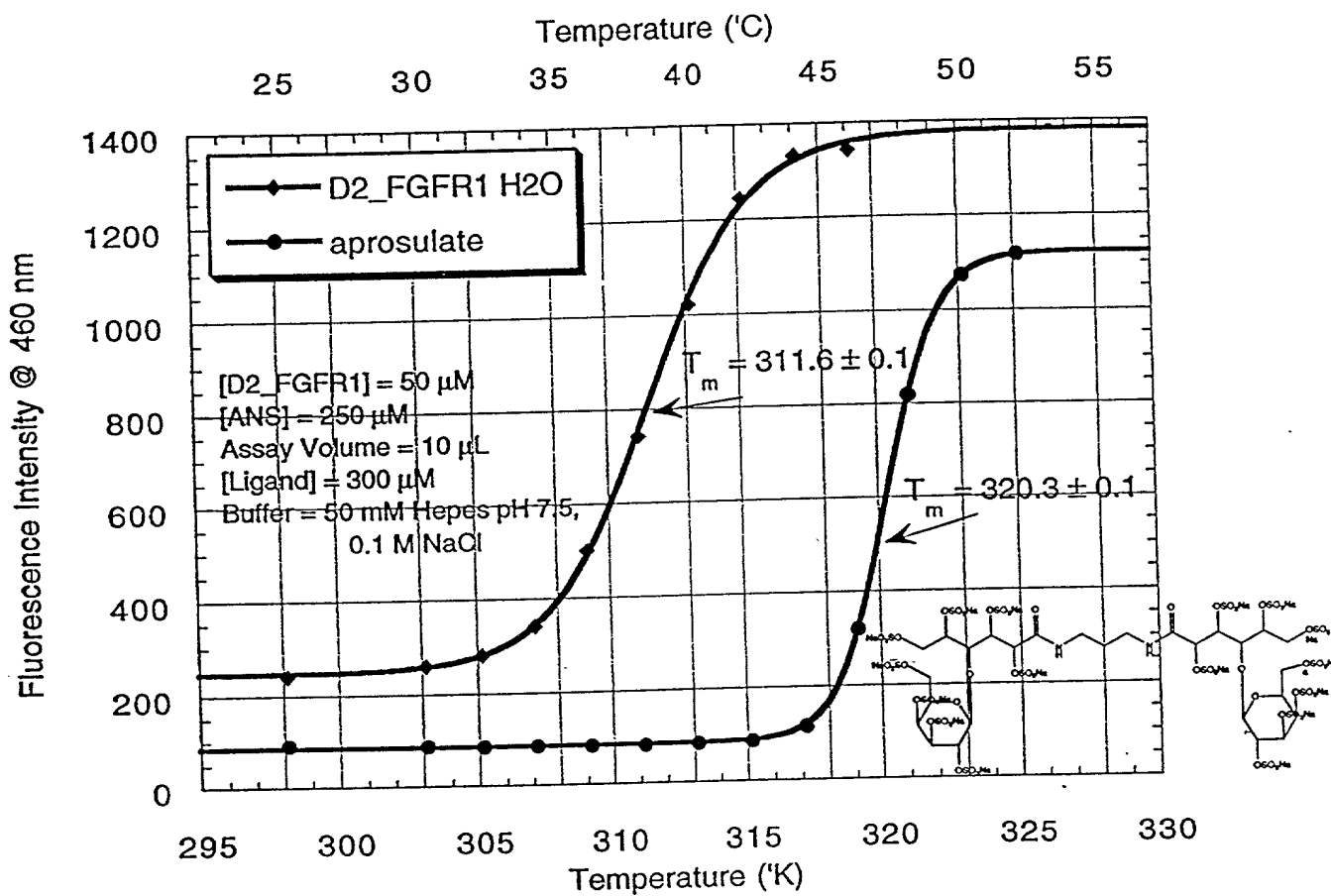


FIGURE 9

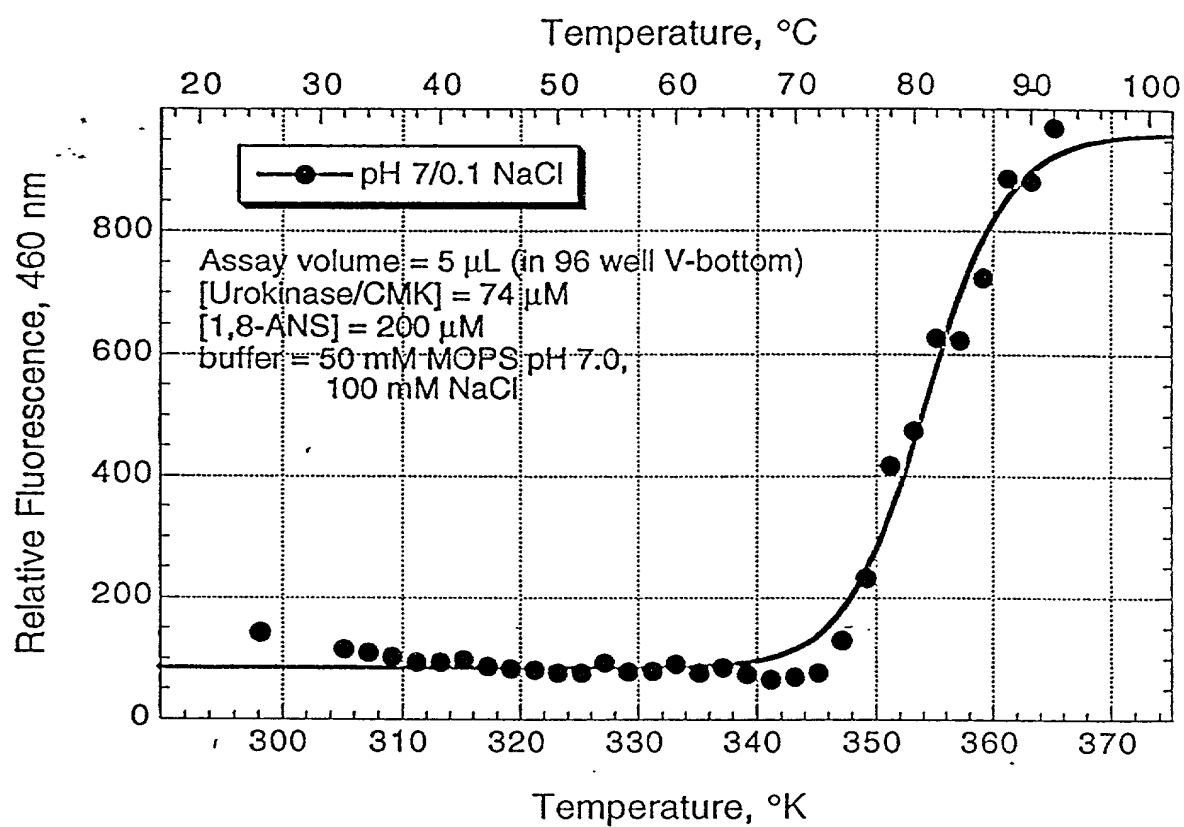
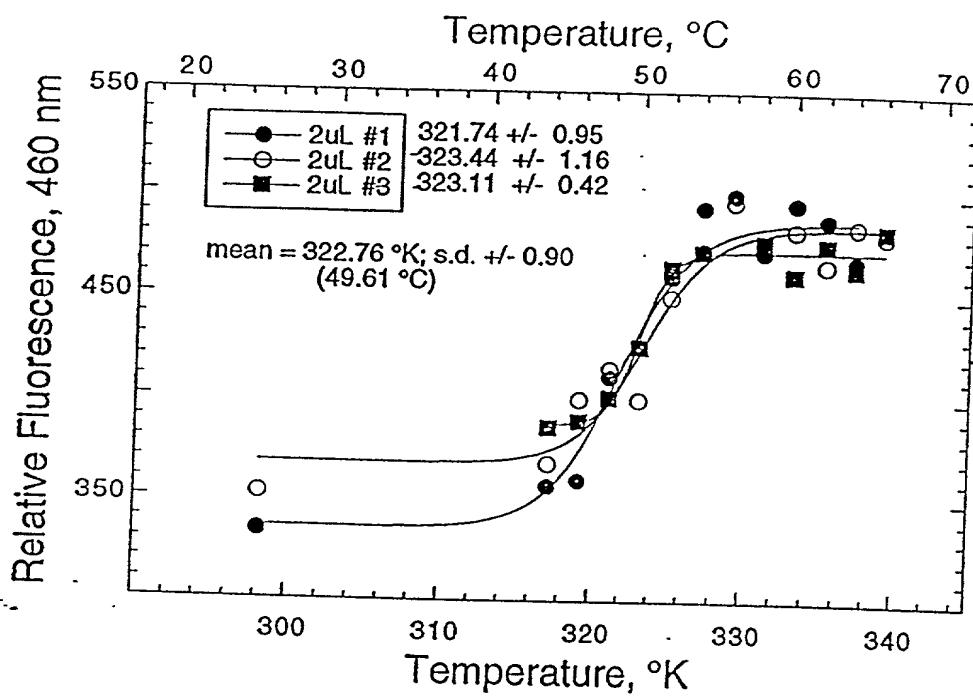


FIGURE 10



10500 9290350

FIGURE 11

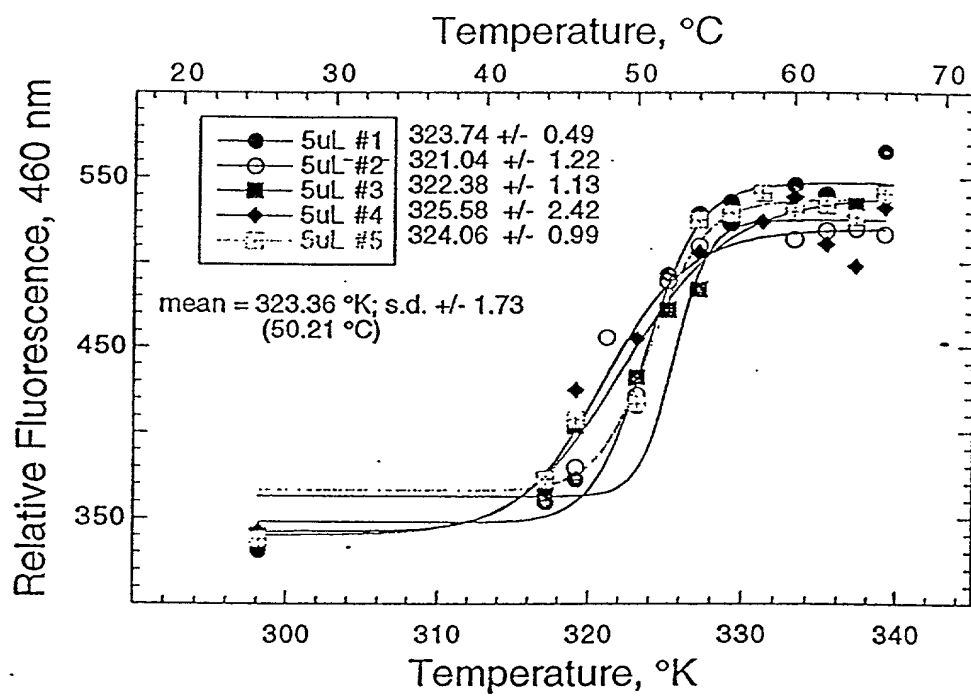


FIGURE 12

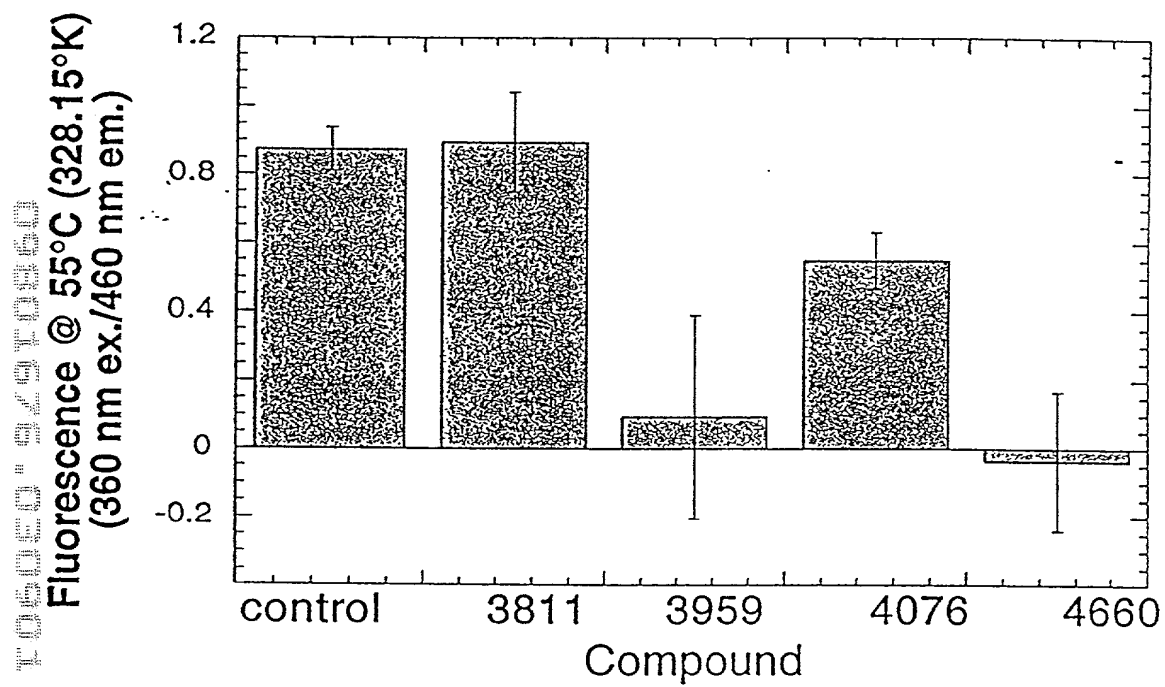


FIGURE 1.3

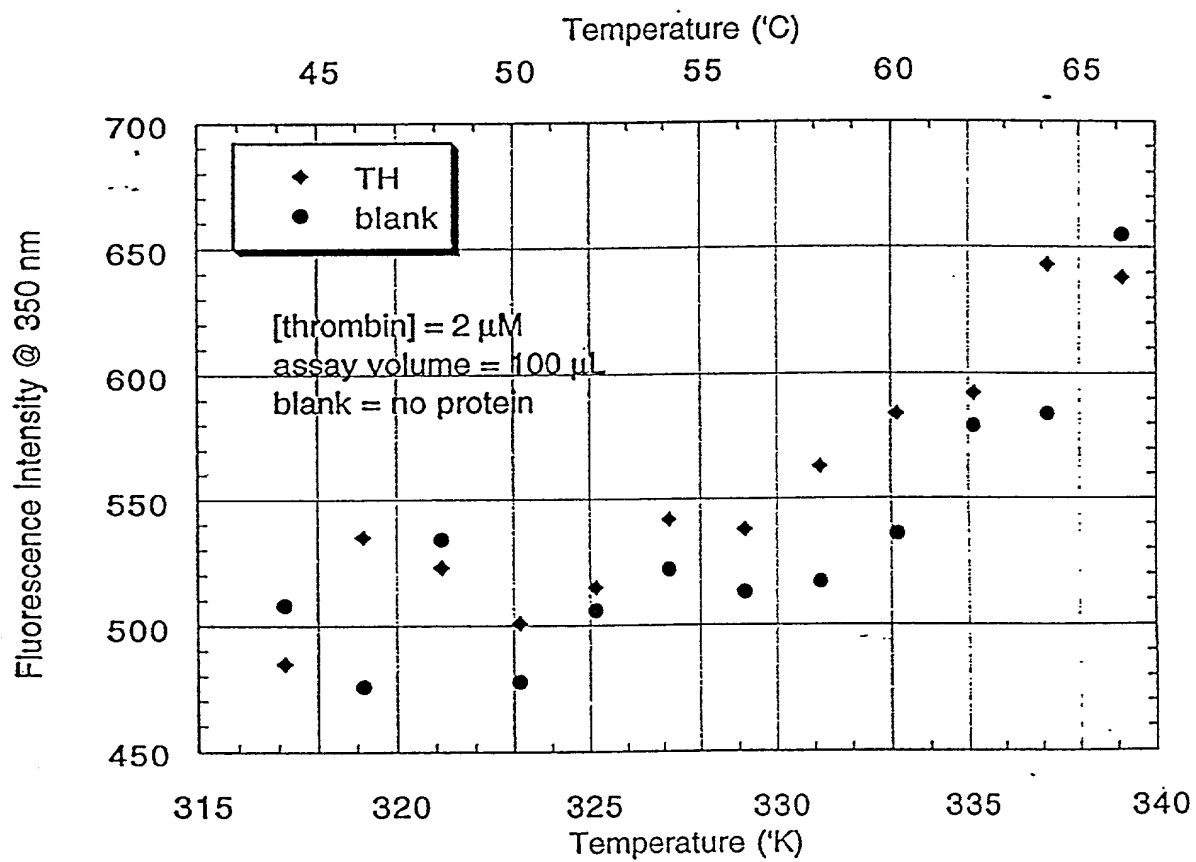


FIGURE 14

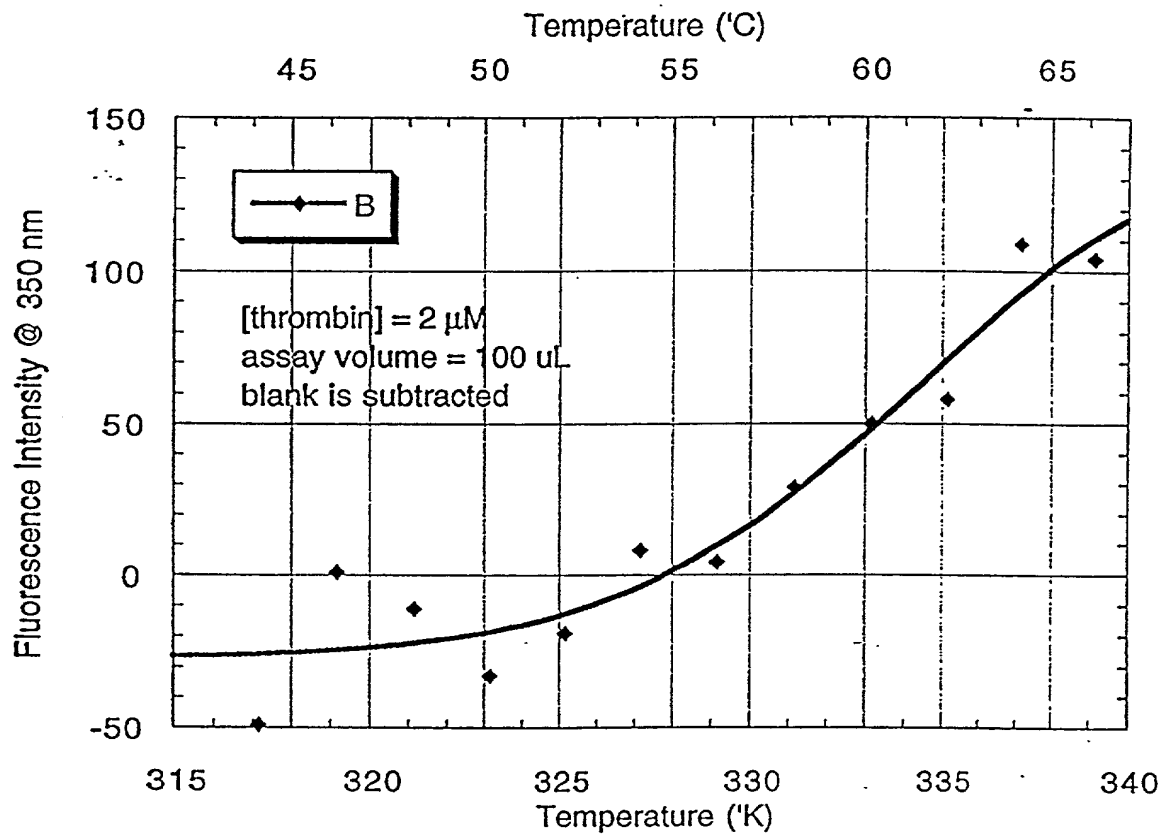


FIGURE 15

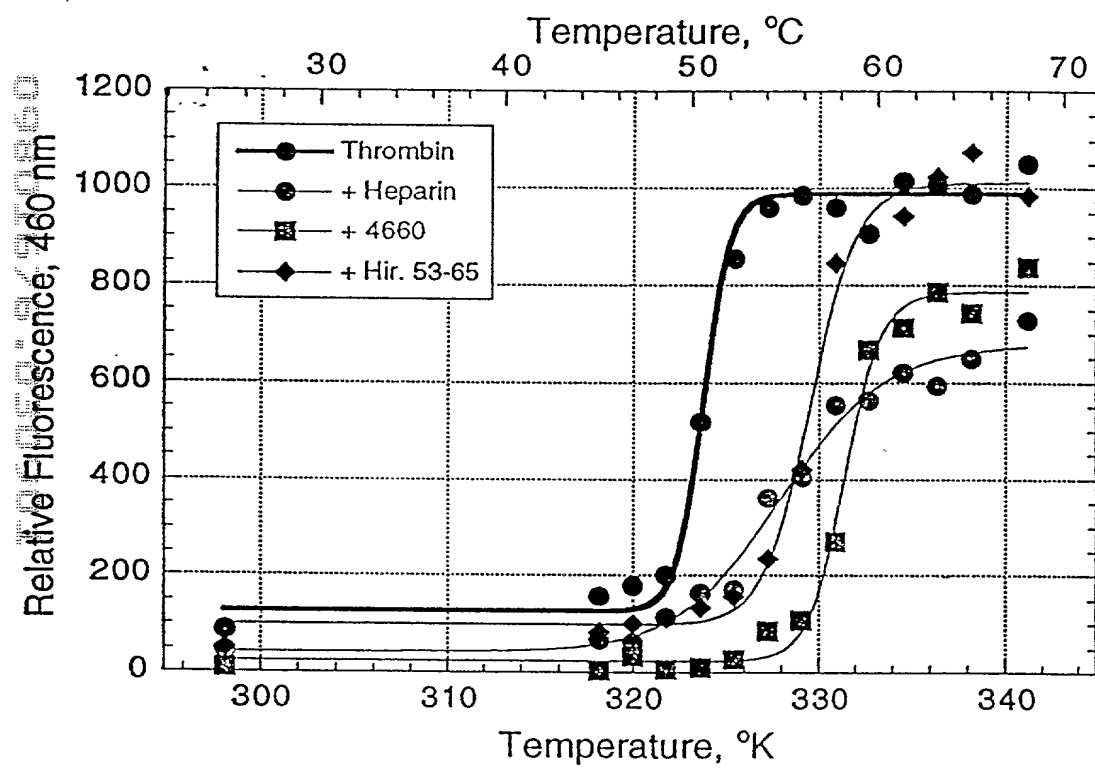


FIGURE 16

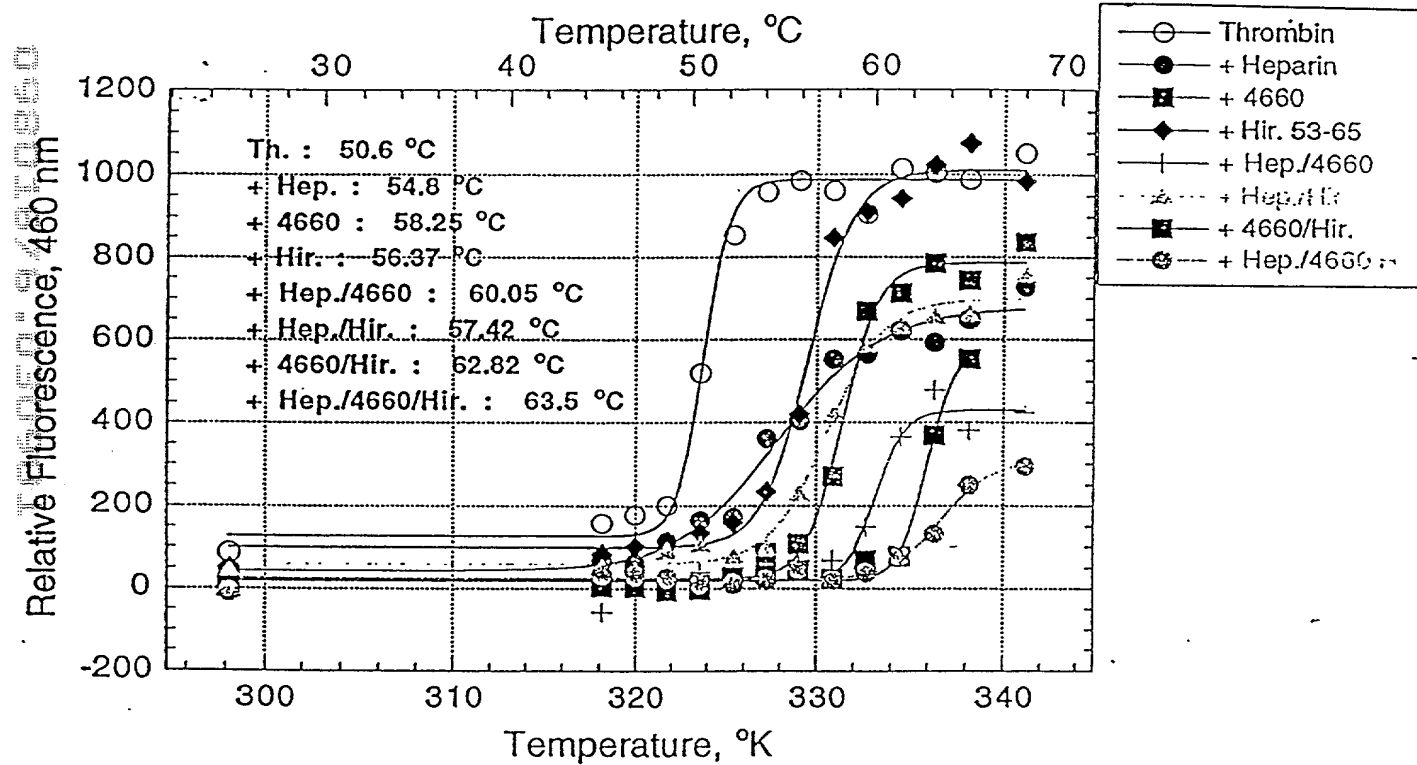


FIG. 17A

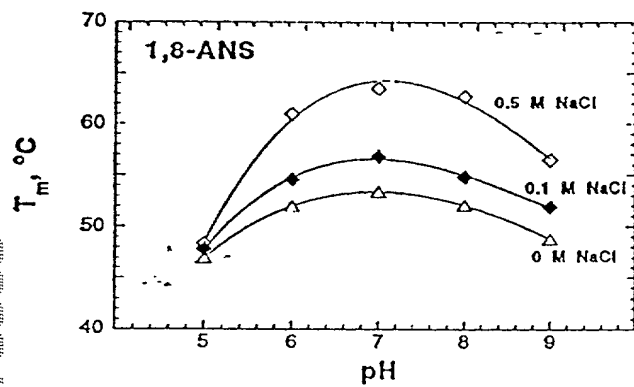


FIG. 17B

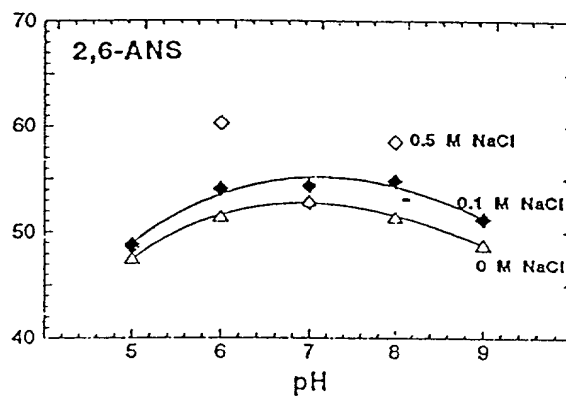


FIG. 17C

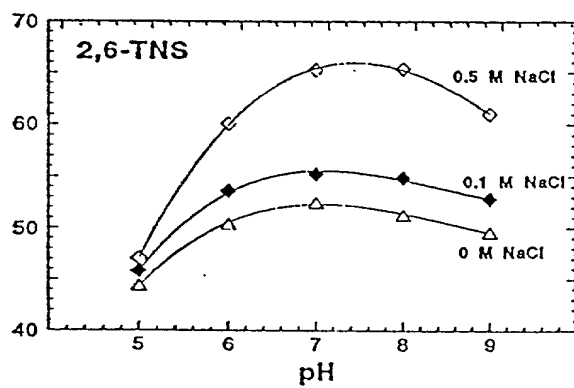


FIG. 17D

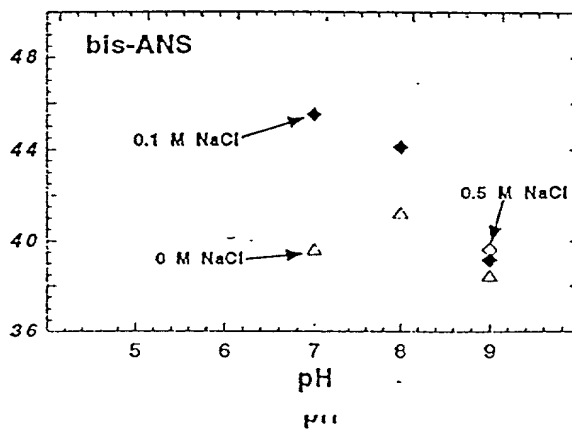


FIGURE 18

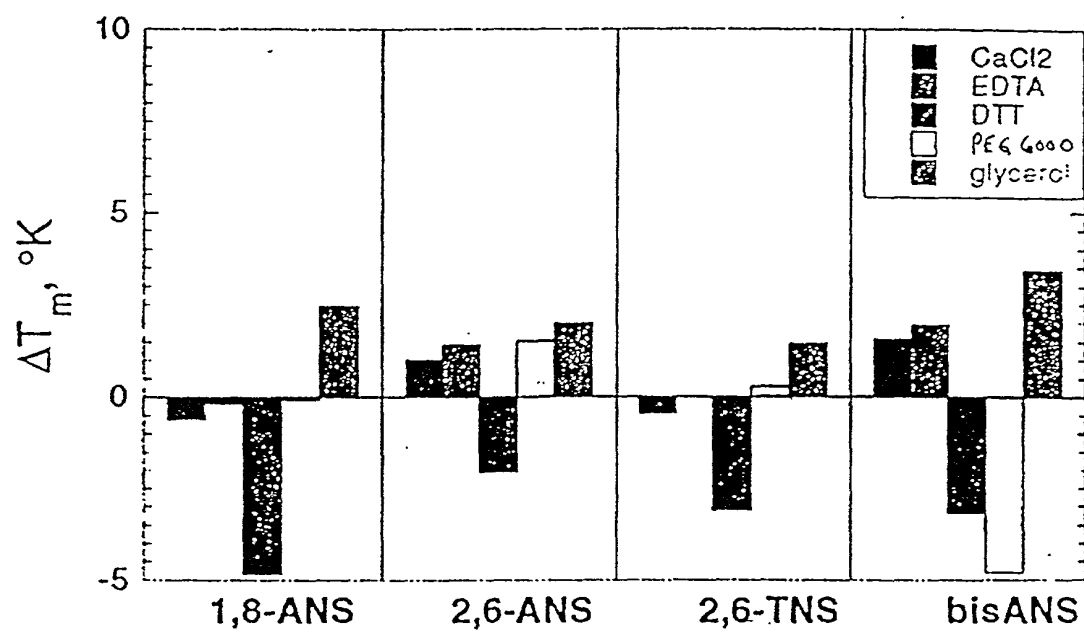


FIGURE 19

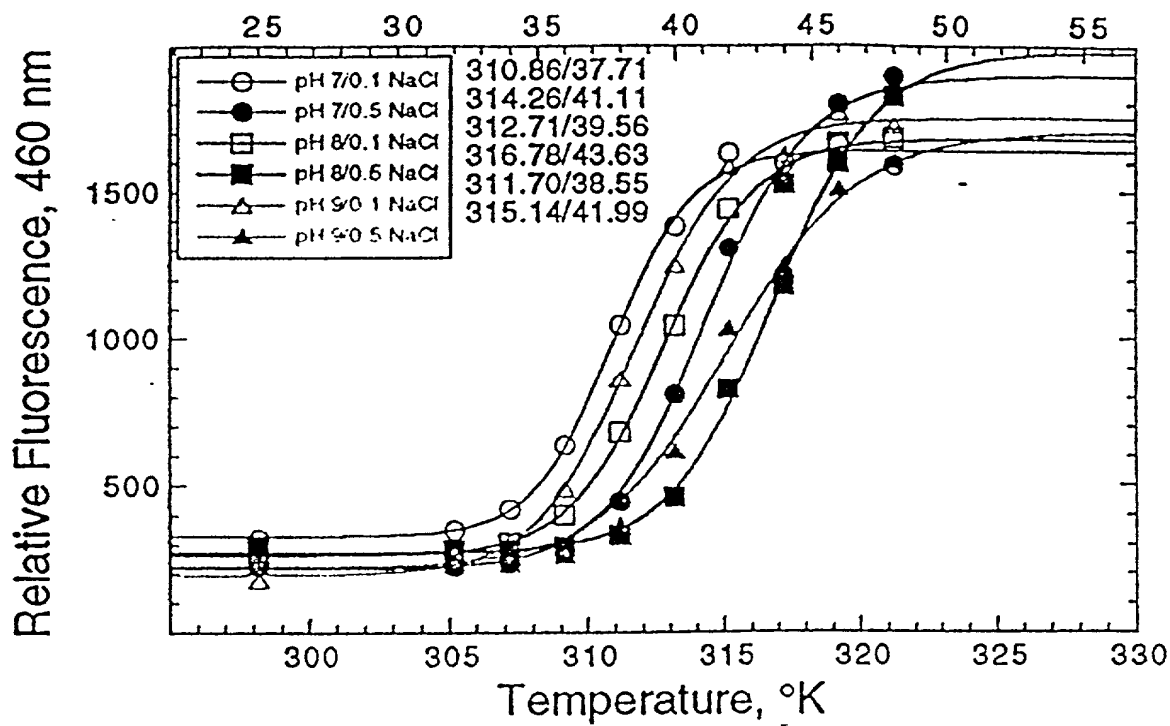


FIGURE 20

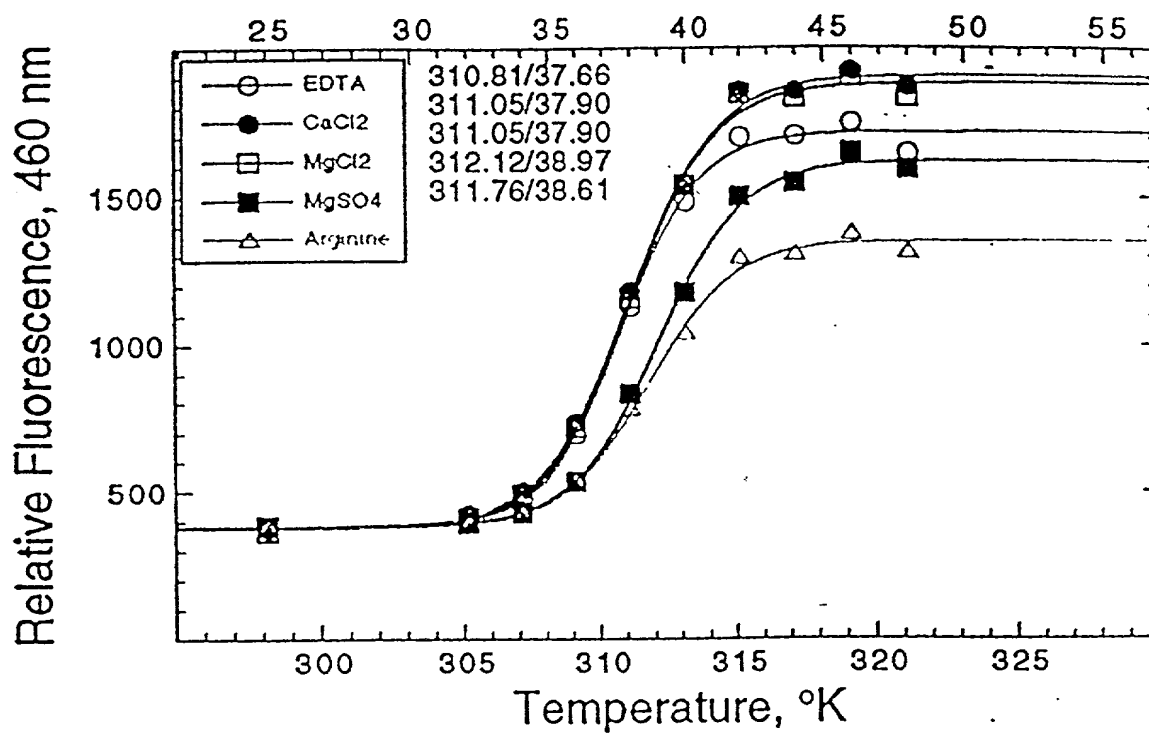
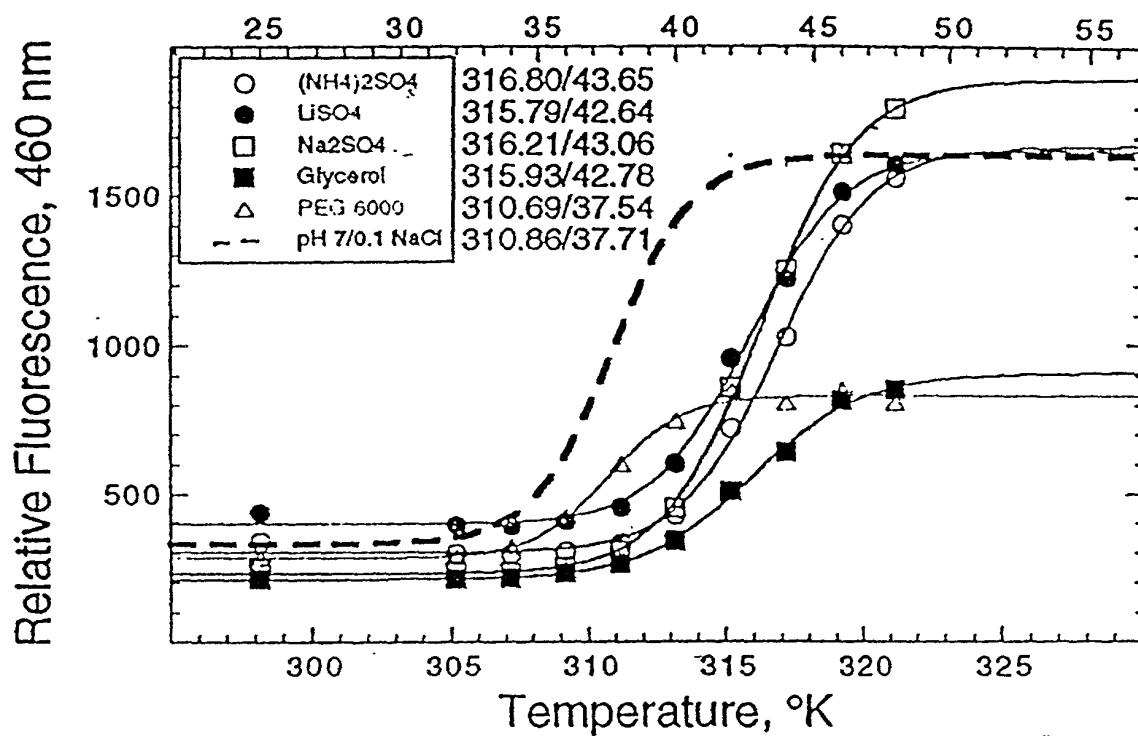


FIGURE 21



10500 9/9/0960

FIGURE 22

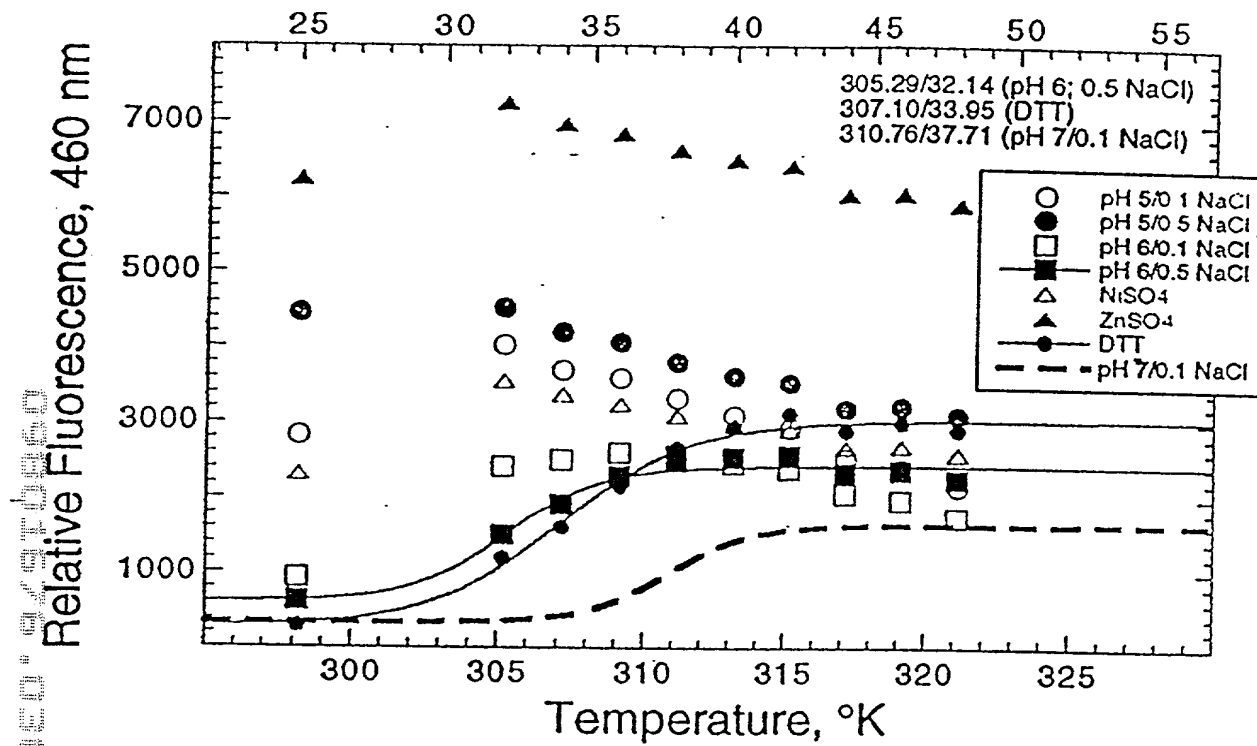


FIGURE 23

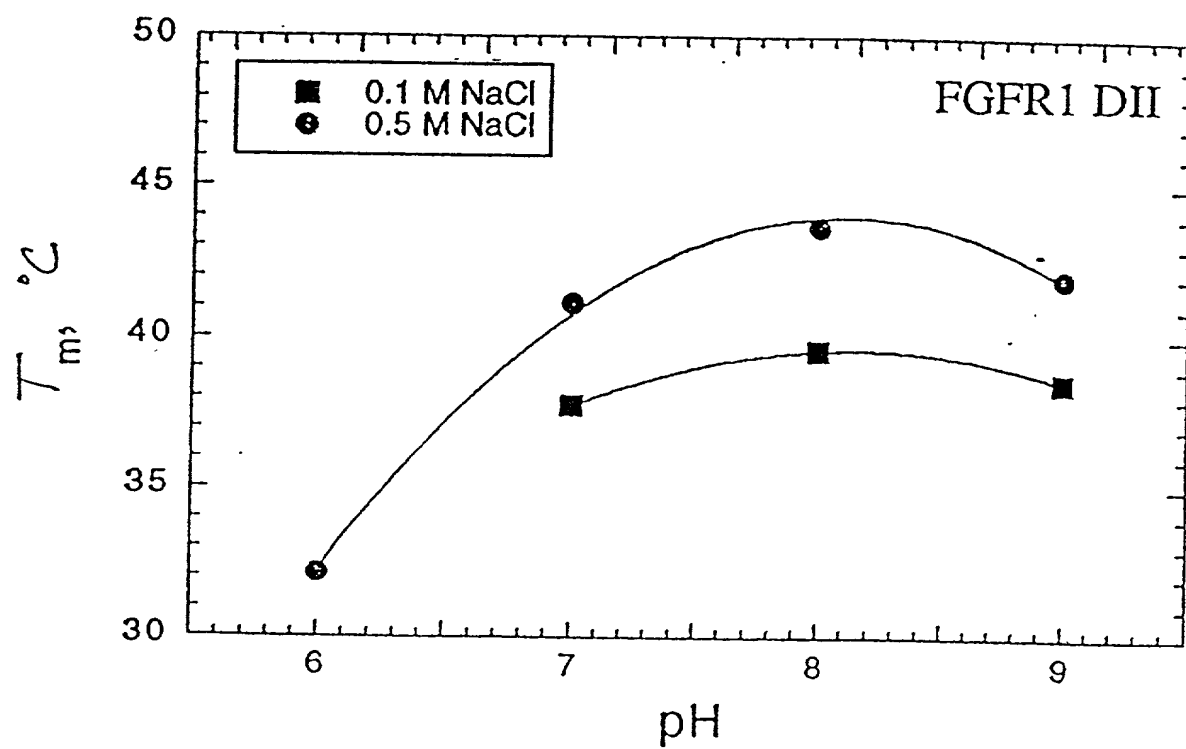


FIGURE 24

FGFR1 DII

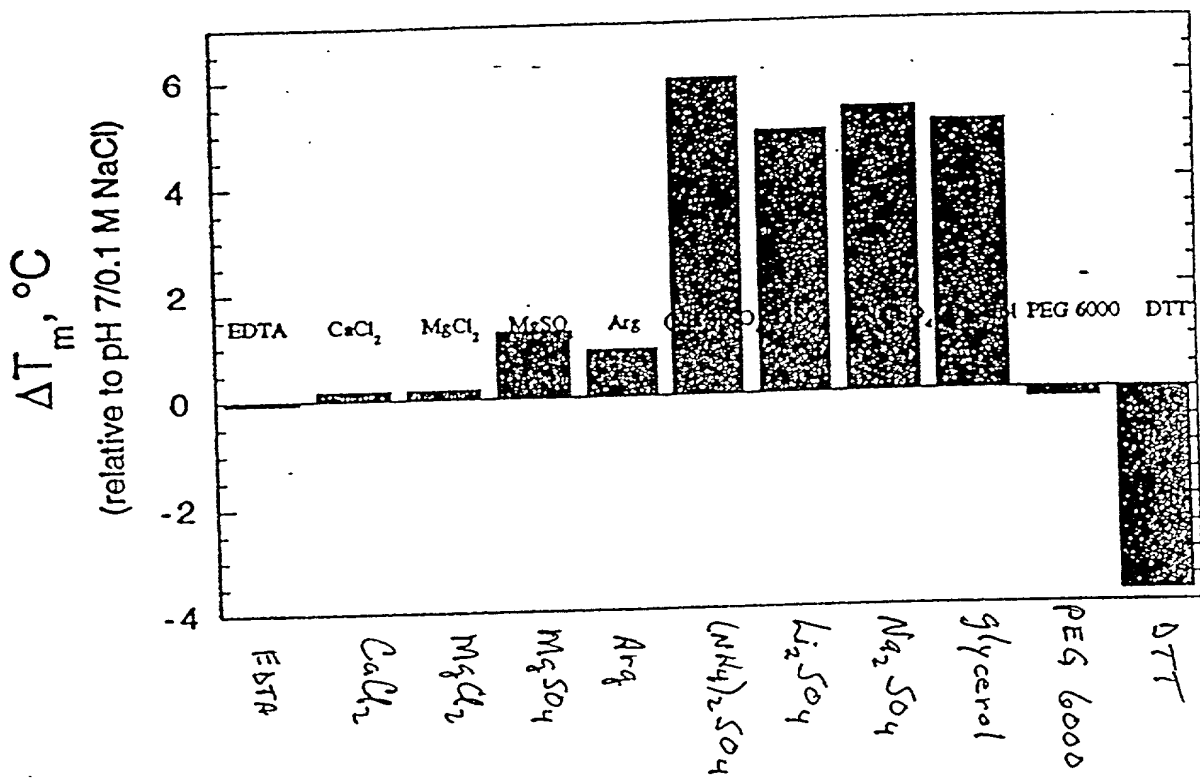


FIGURE 25

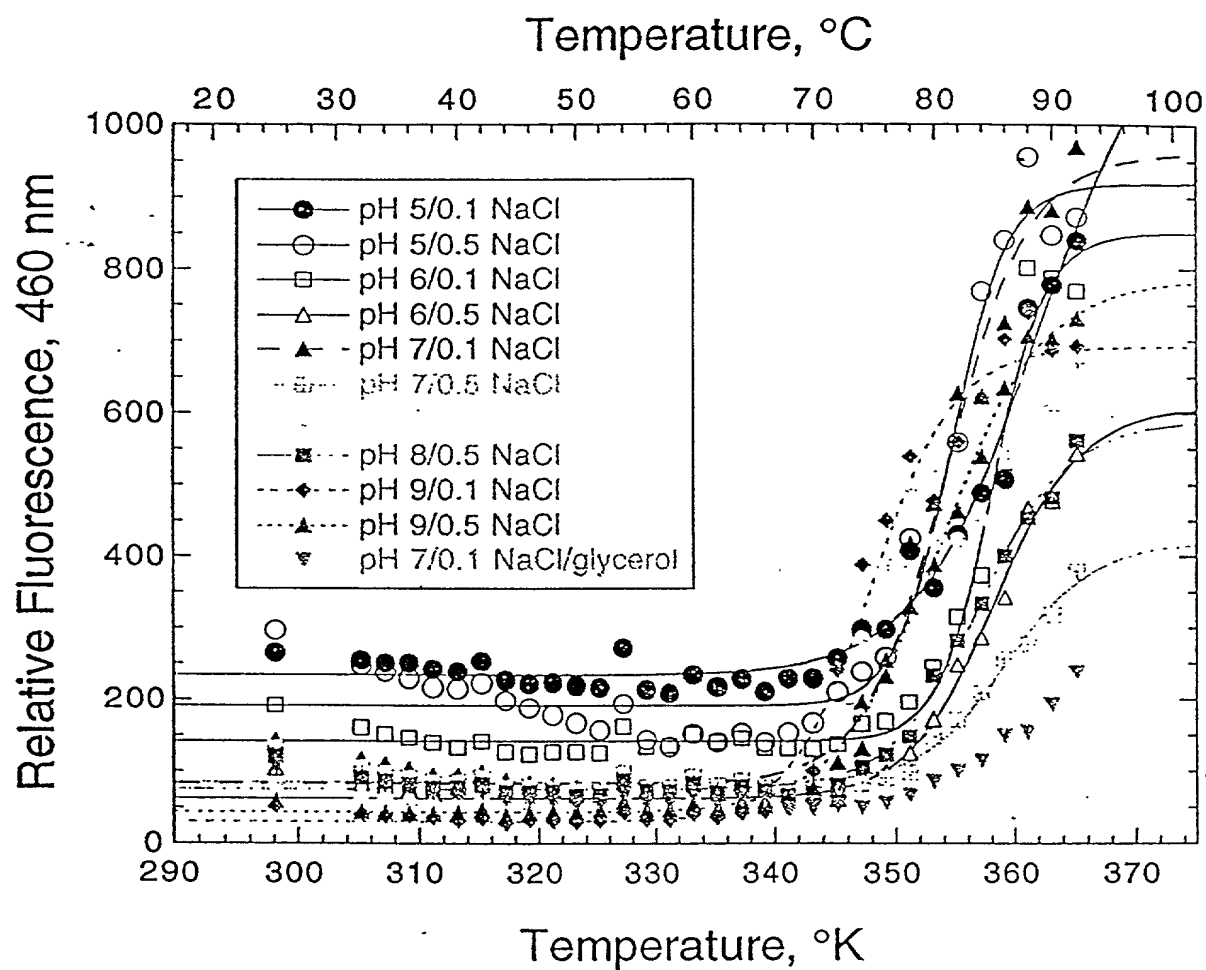
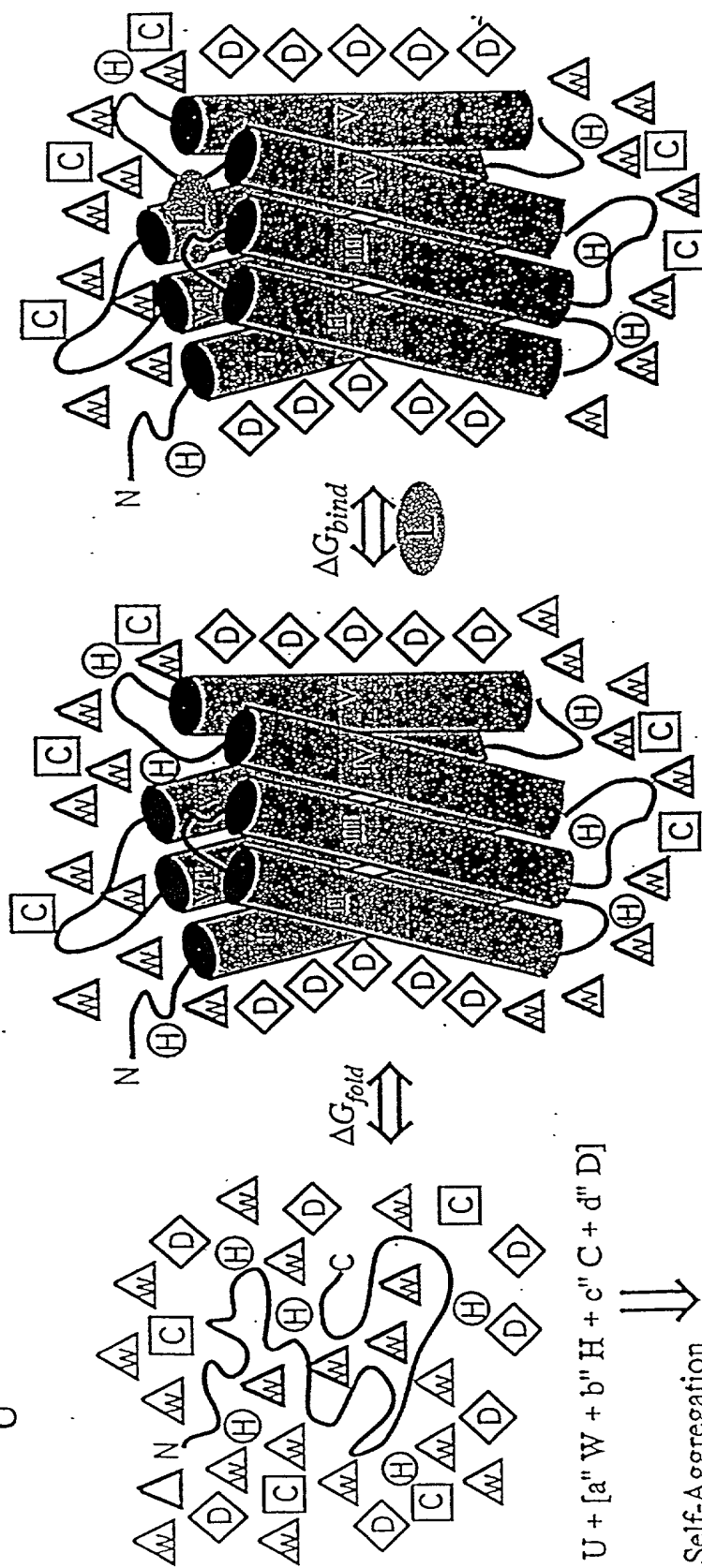


FIGURE 26

Unfolded State U Native State N Native-Ligand Complex $N'L'$

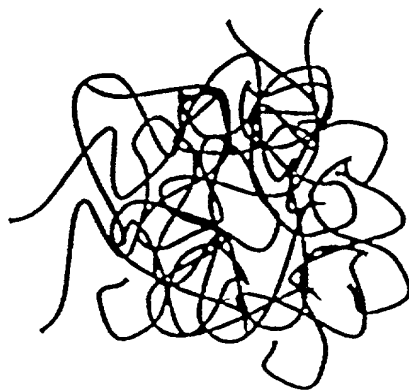


$$N + L + [a' W + b' H + c' C + d' D] \rightleftharpoons N'L' + [a' W + b' H + c' C + d' D]$$

$$N + L + [a W + b H + c C + d D]$$

$$\Delta G_{fold} = \Delta G_{conf} + \sum_i \Delta g_{i,int} + \sum_i \Delta g_{i,s} + \Delta W_{el} + (\Delta G_{bind})$$

Legend	
	= Water Molecules
	= Ionizable Protons
	= Counterions or Hofmeister Salts
	= Detergent or Lipid Molecules



Self-Aggregation

FIGURE 27

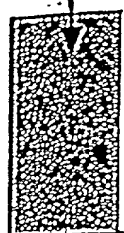
Tagged Denatured Protein

Denaturant: 6 M Gdn-HCl
8 M Urea
0.2% SDS

Reducing Agents: DTT, or β ME

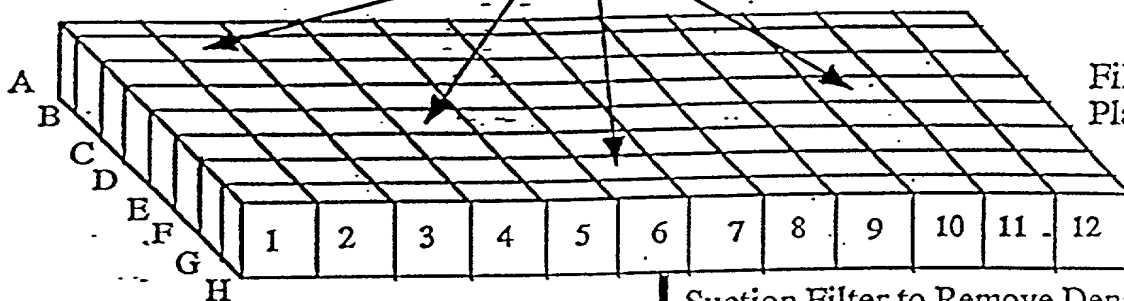
H-H-H-H-H-H

R-R-R-R-R-R



Ni²⁺ NTA Resin (Novagen)

or
Heparin Sepharose
(Pharmacia Biotech)

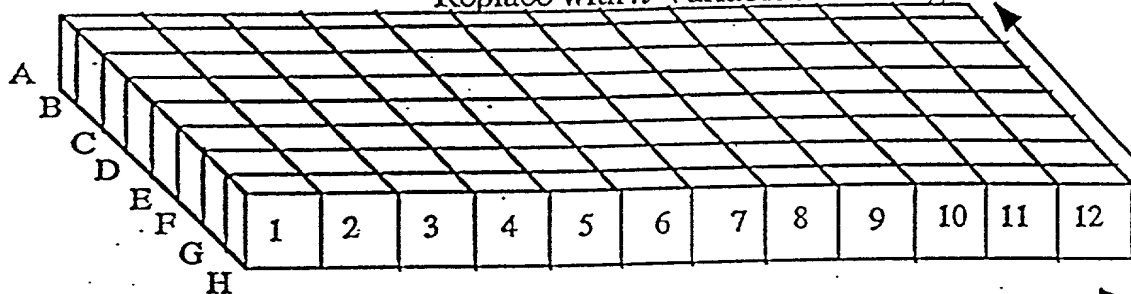


Filter Screen
Plate (Millipore)

Suction Filter to Remove Denaturant

Microplate Protein Folding

Replace with *n*-Variable Refolding Conditions



Variable X (pH, Temp., Glycerol, Detergent, [Detergent],
Glutathione Redox Buffer, ligand or cofactor. etc.)

Thermal shift Assay

09801676.036001

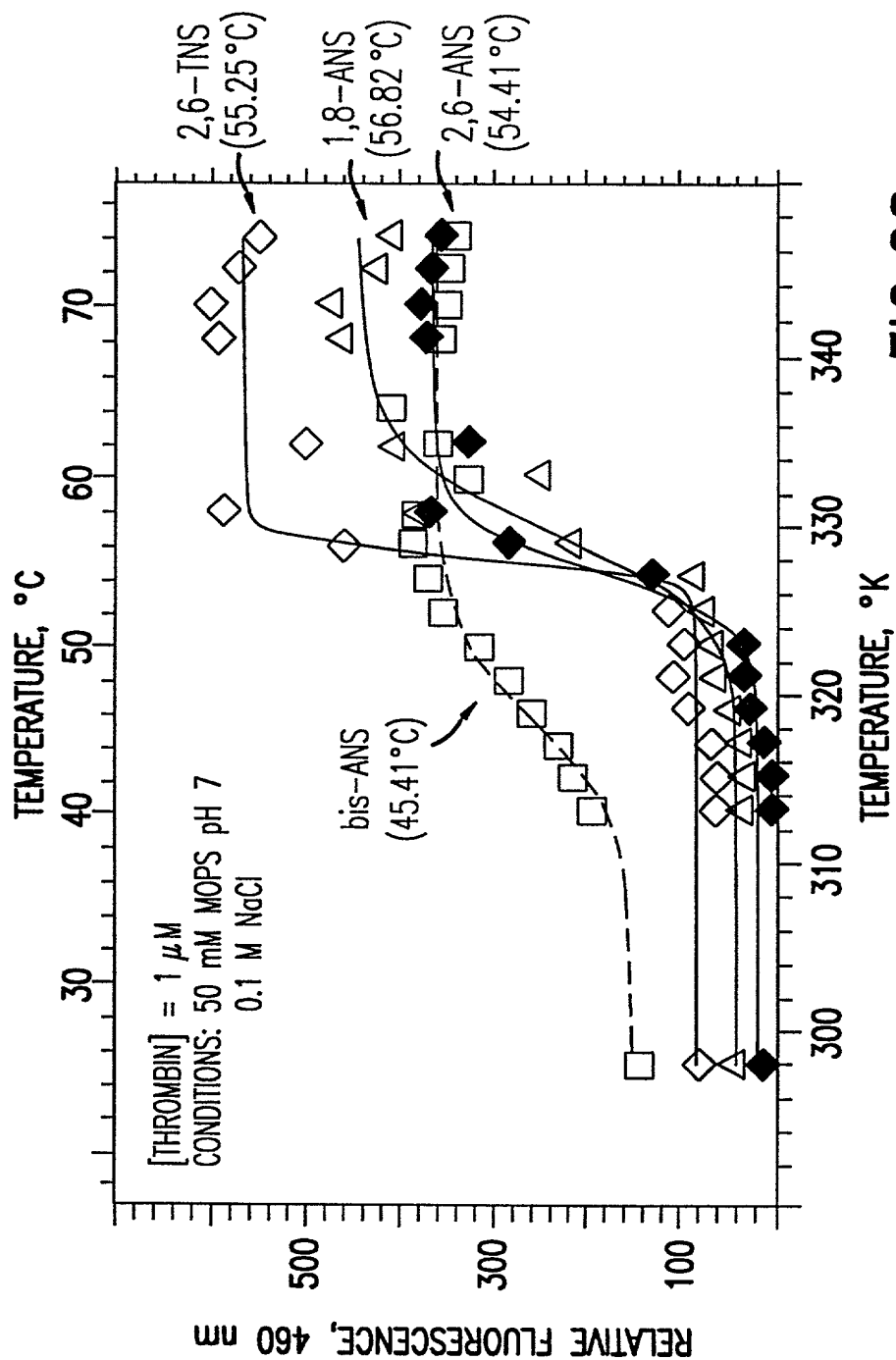


FIG.28

FIG. 29

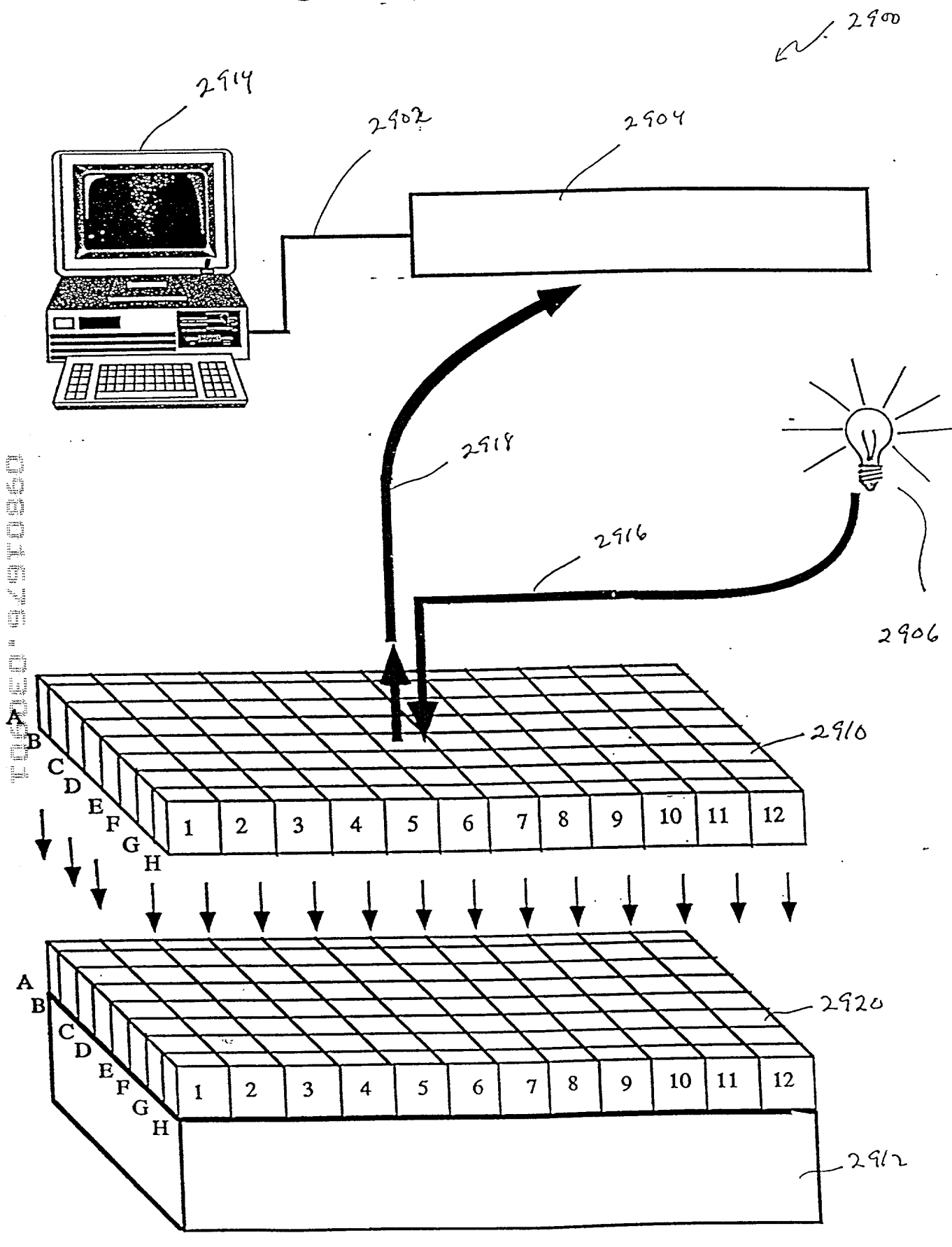


FIG. 30

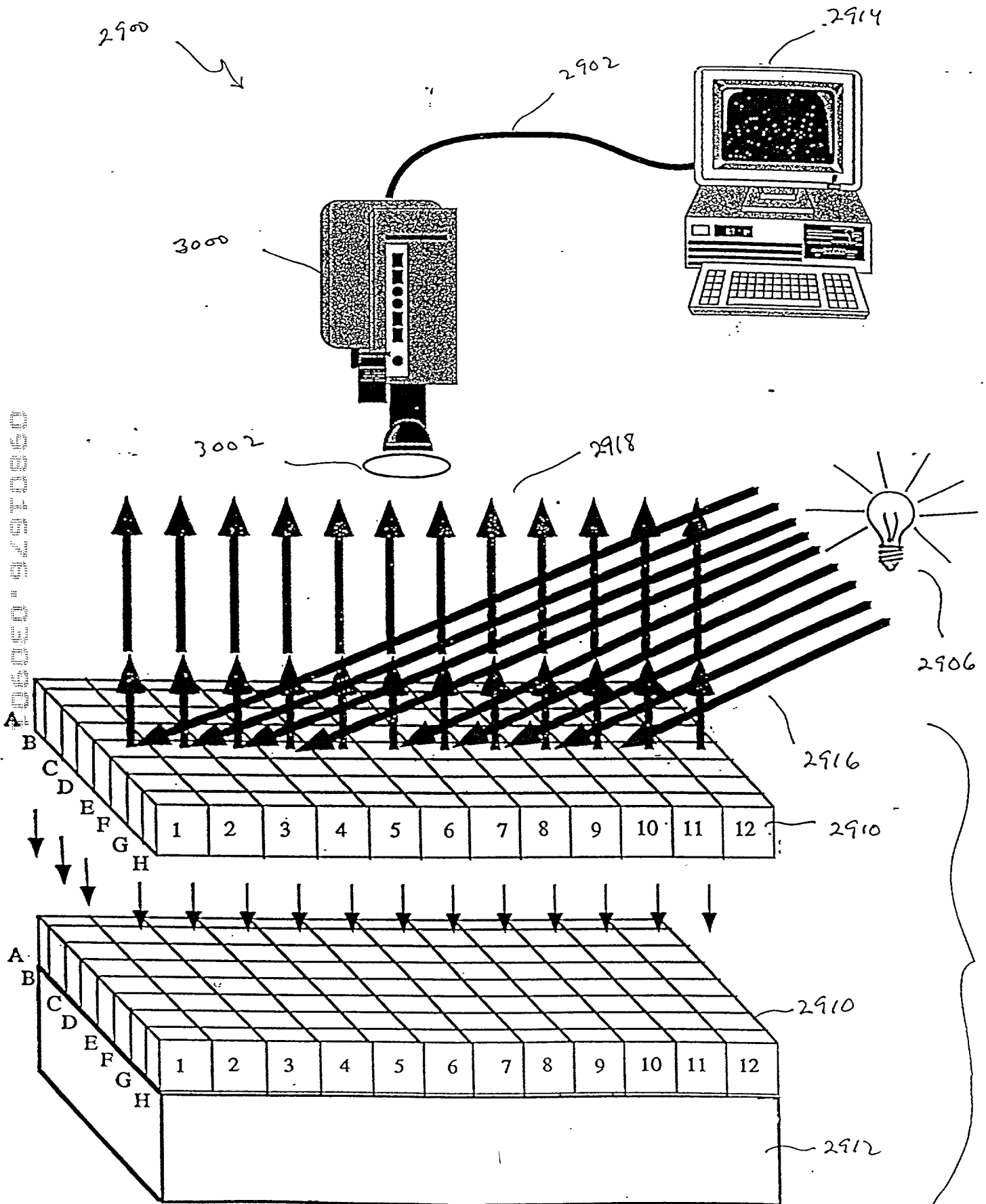
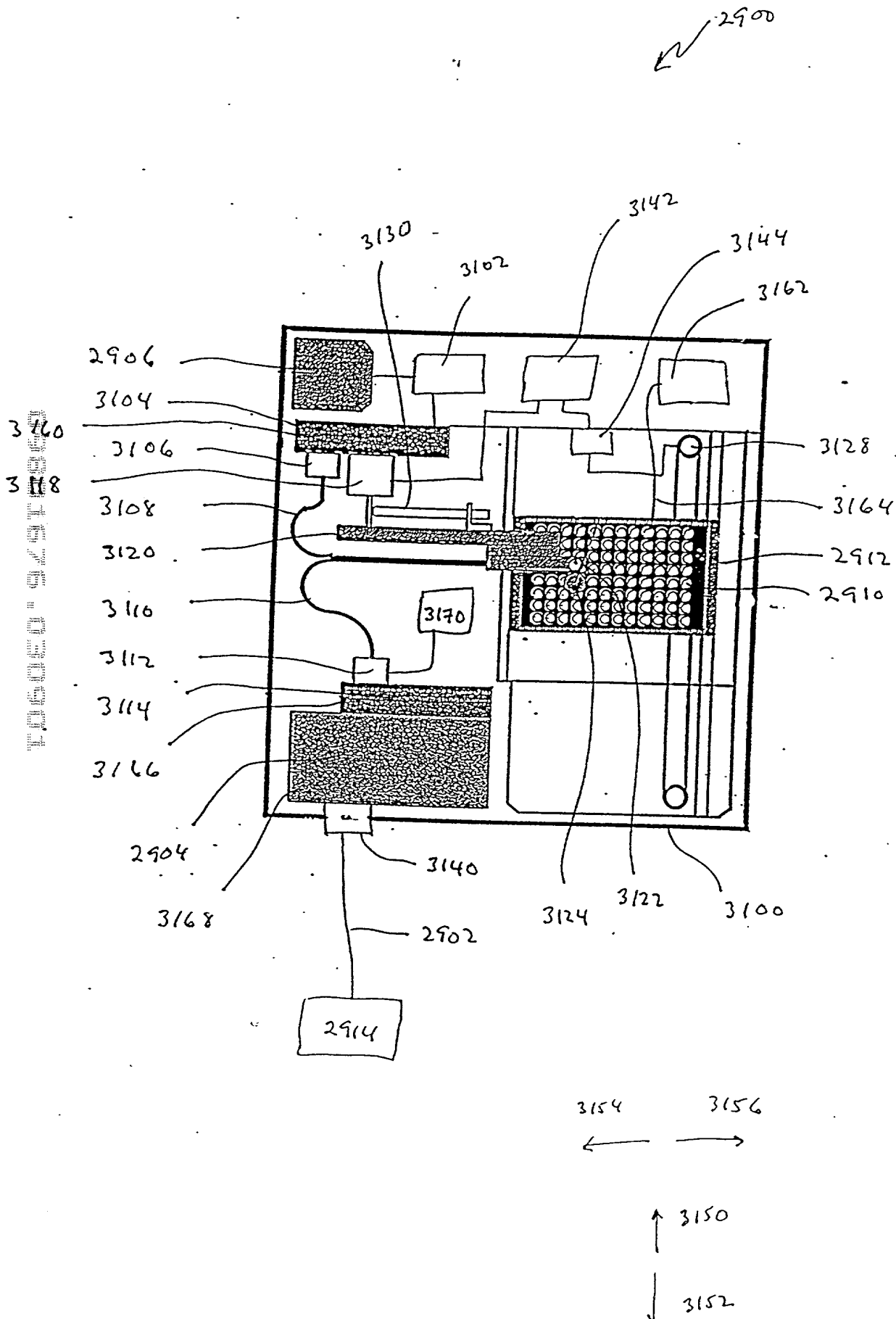


FIG. 31



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FIG. 32A

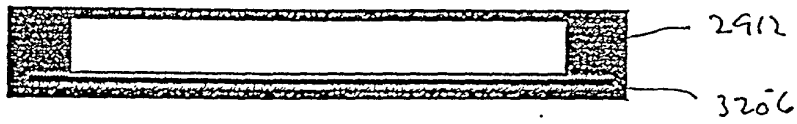


FIG. 32B

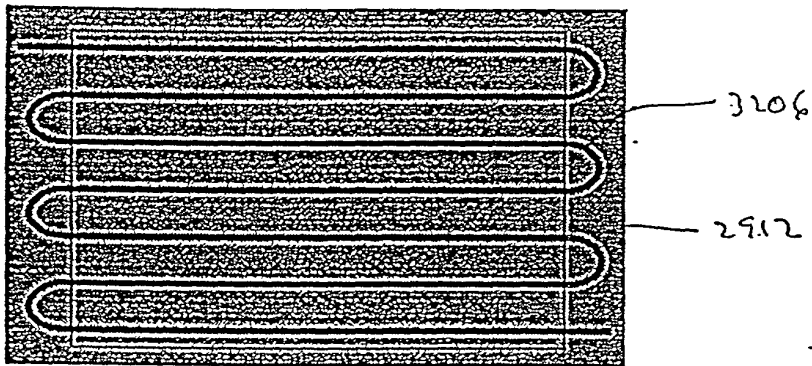


FIG. 32C



FIG. 32D



FIG. 32E



FIG. 33

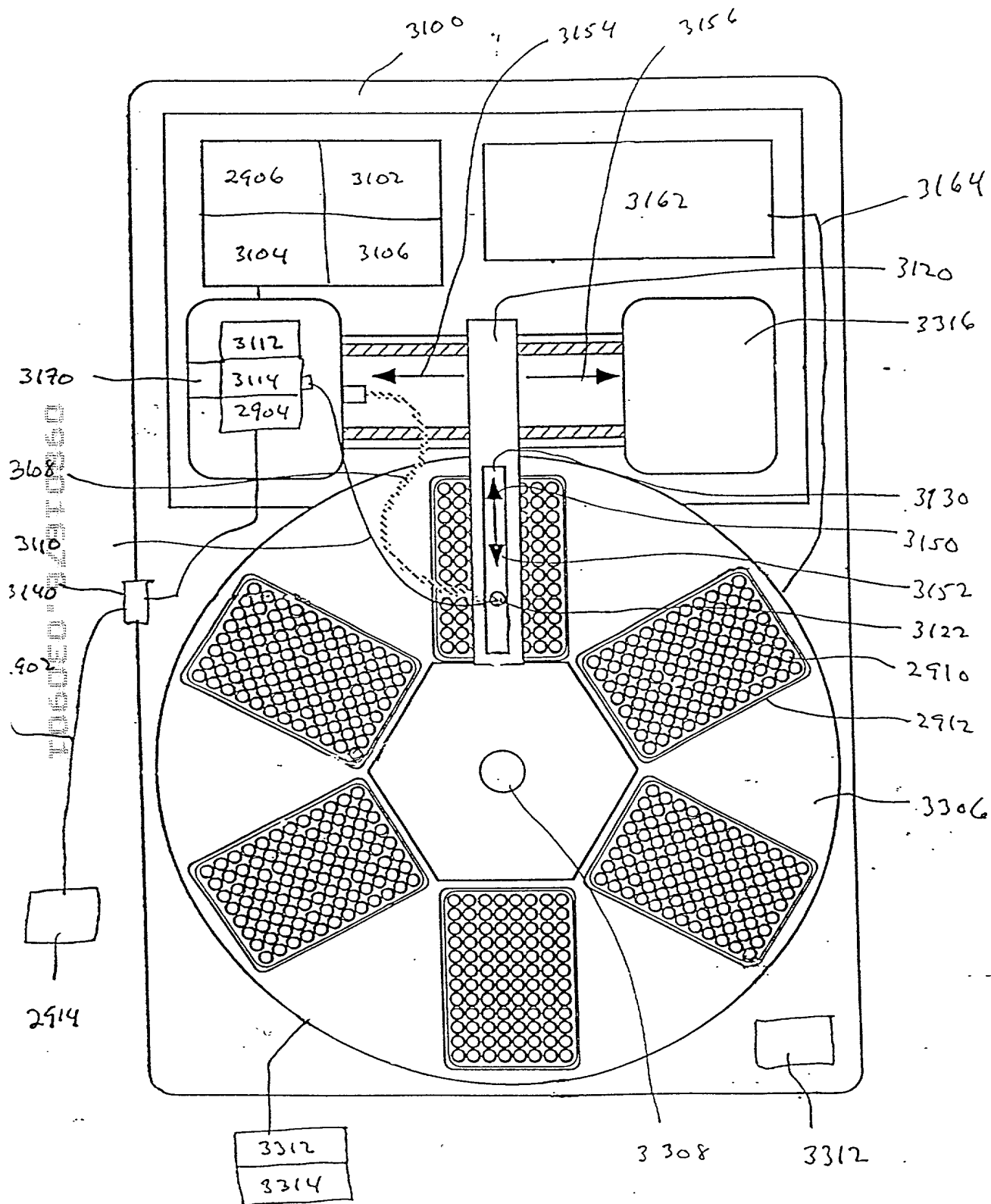
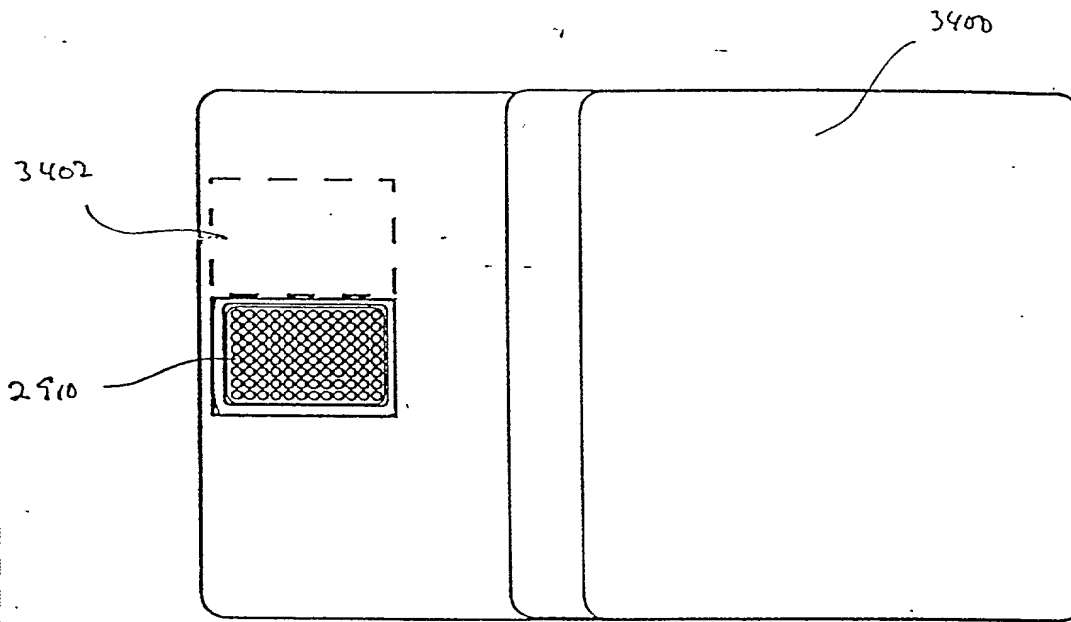


FIG. 34



2025 RELEASE UNDER E.O. 14176

FIG. 35

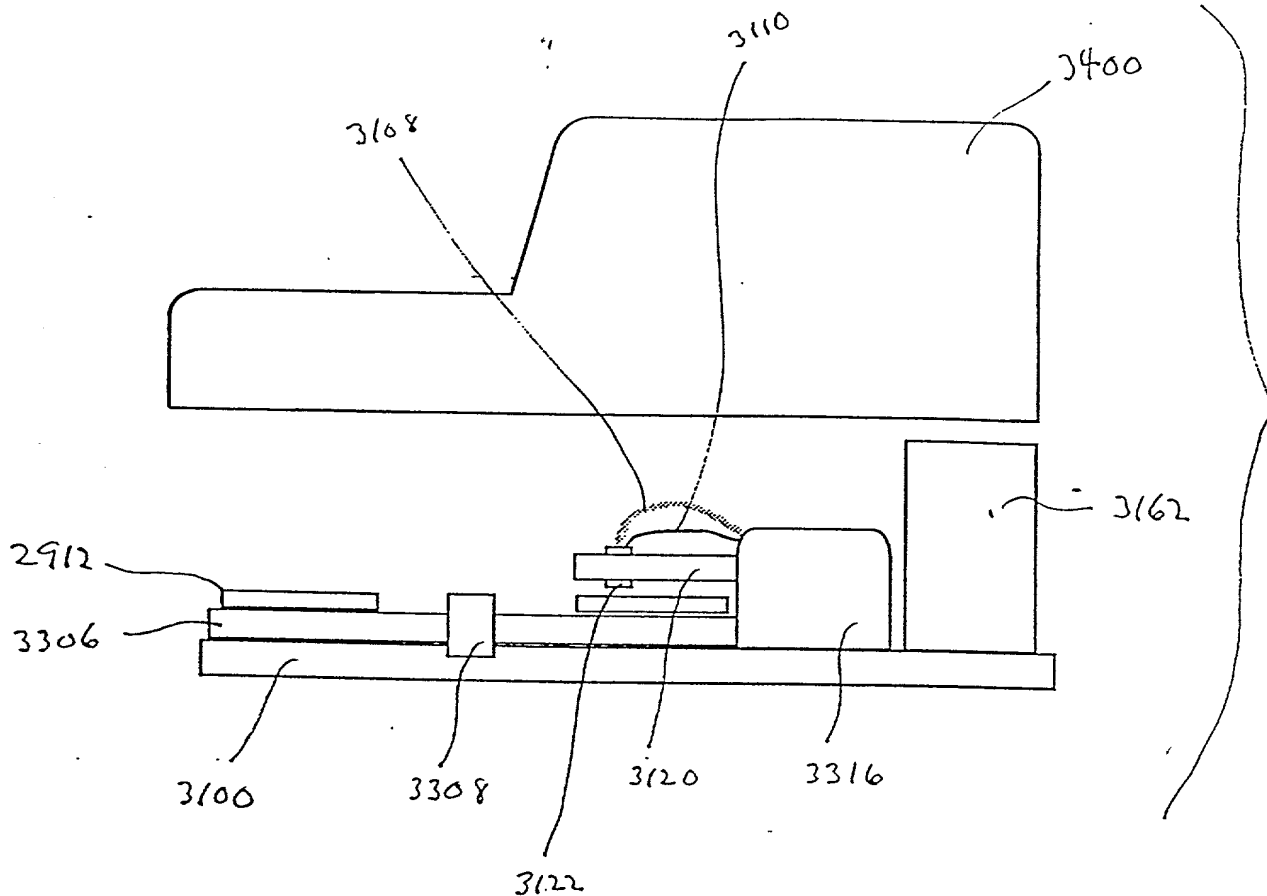
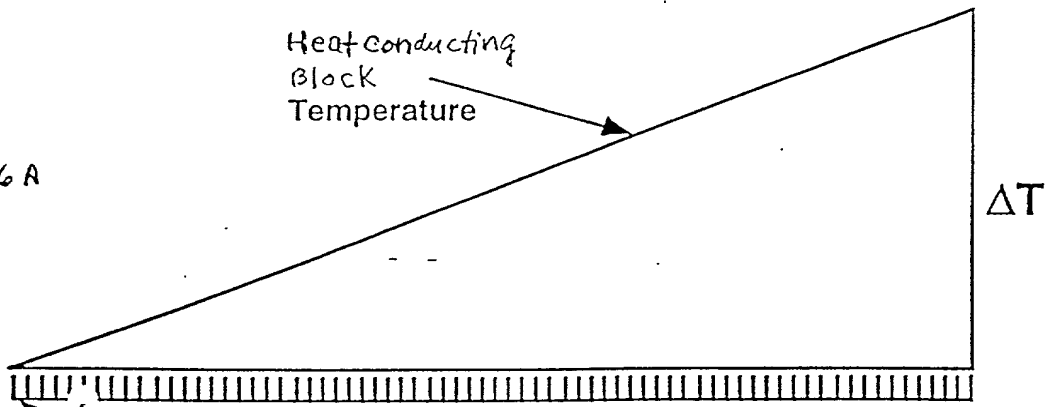


FIG. 36A



66 Seconds = 6 Reads + 6 Moves

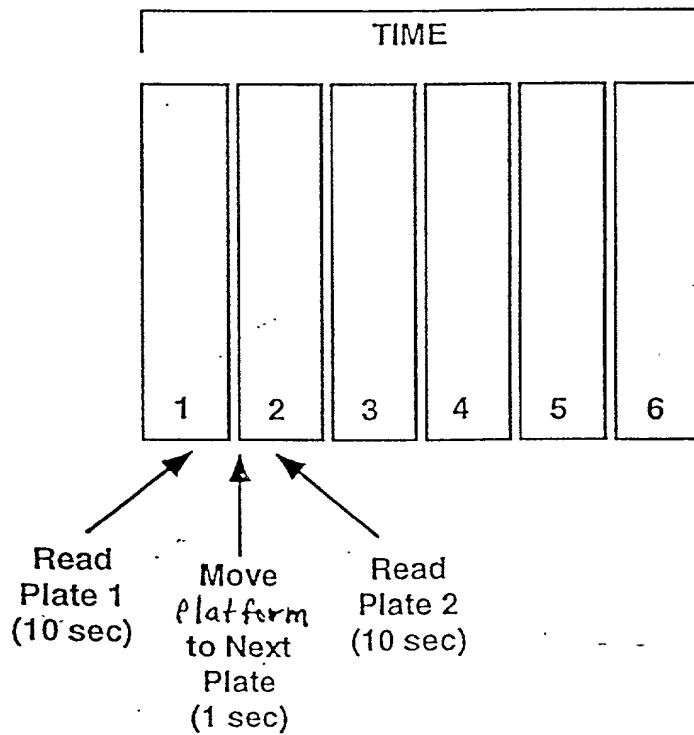


FIG. 36B

FIG. 37

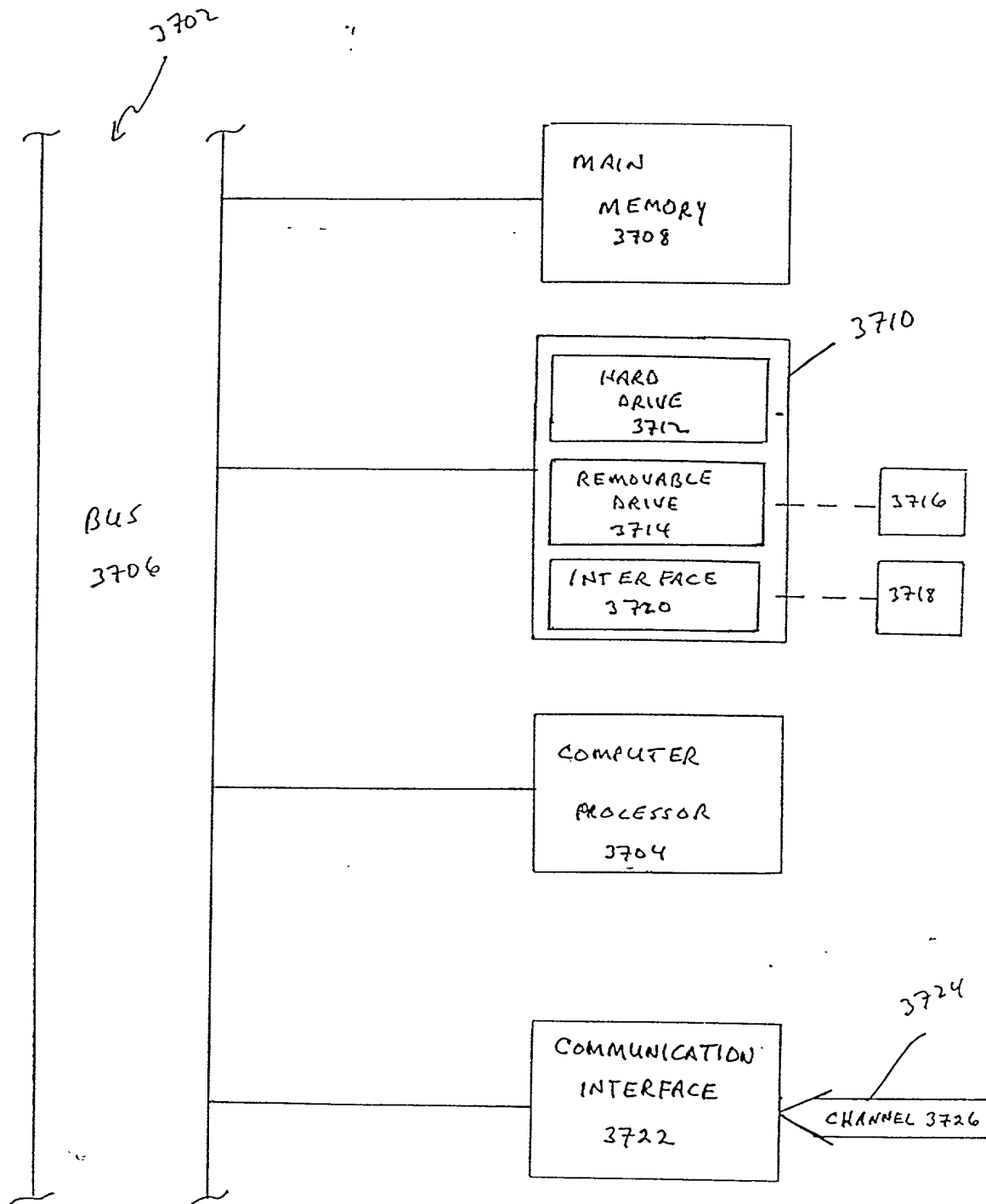


FIG. 38

3800

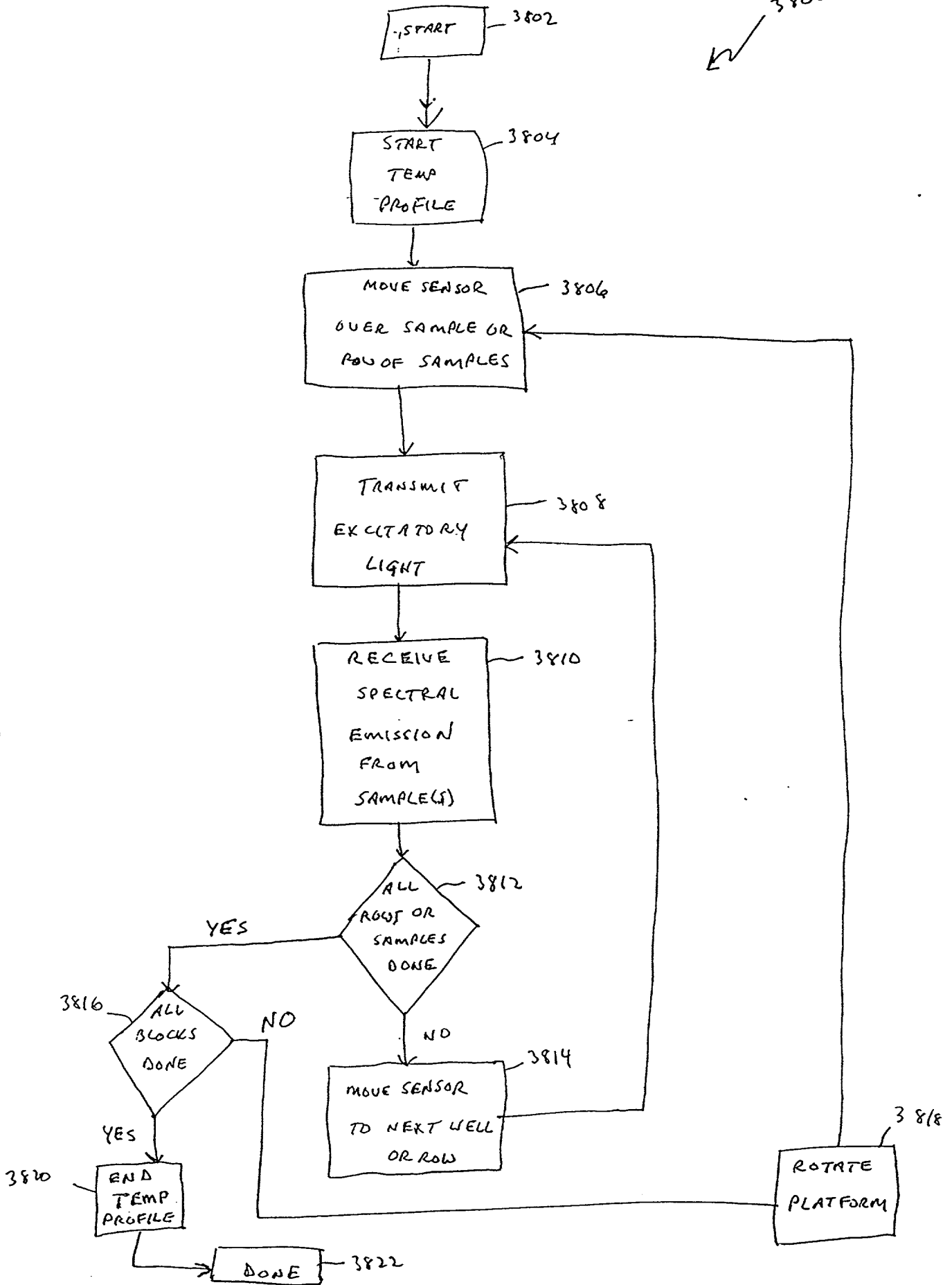


FIG. 39

3900

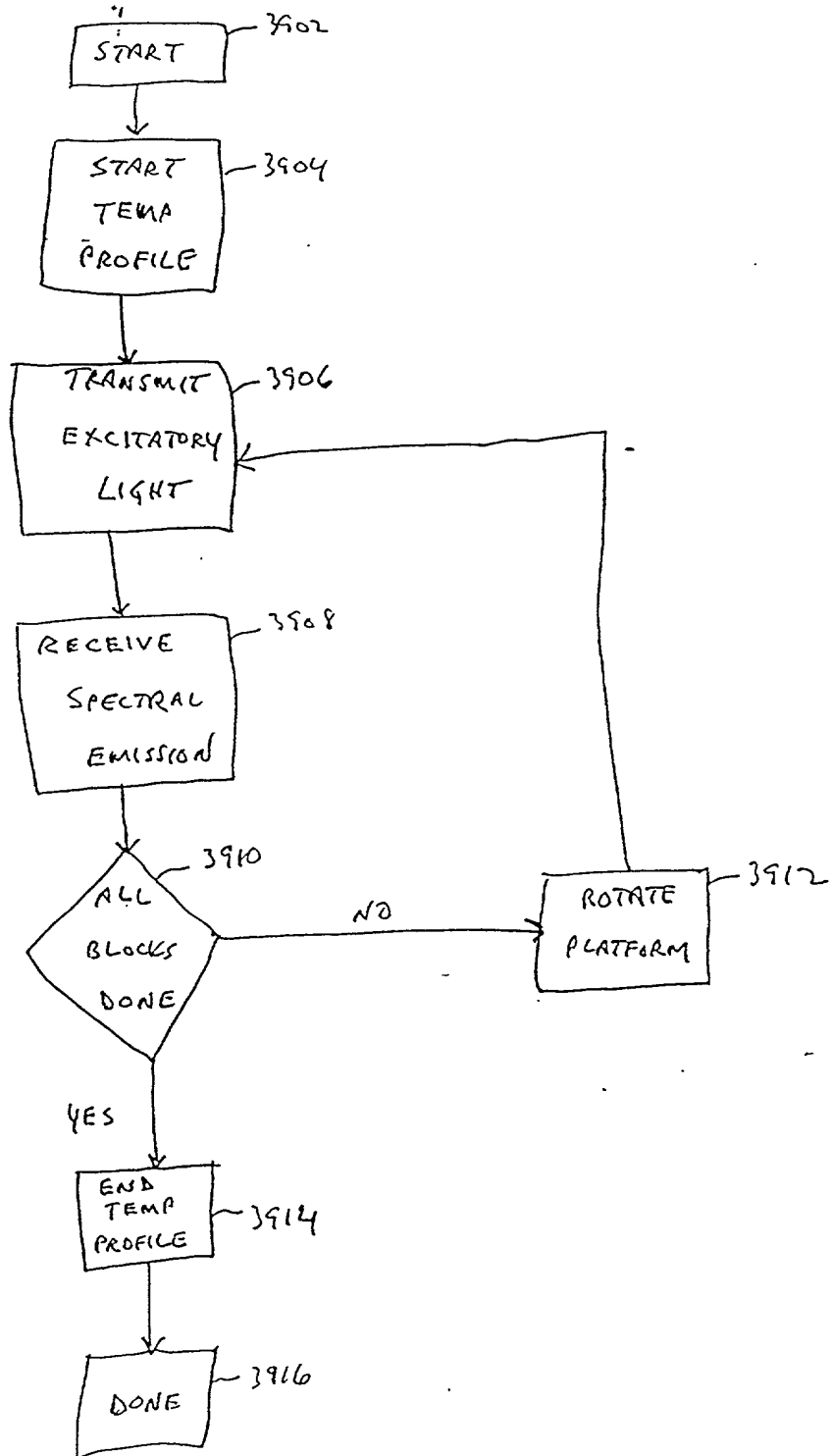


FIGURE 40

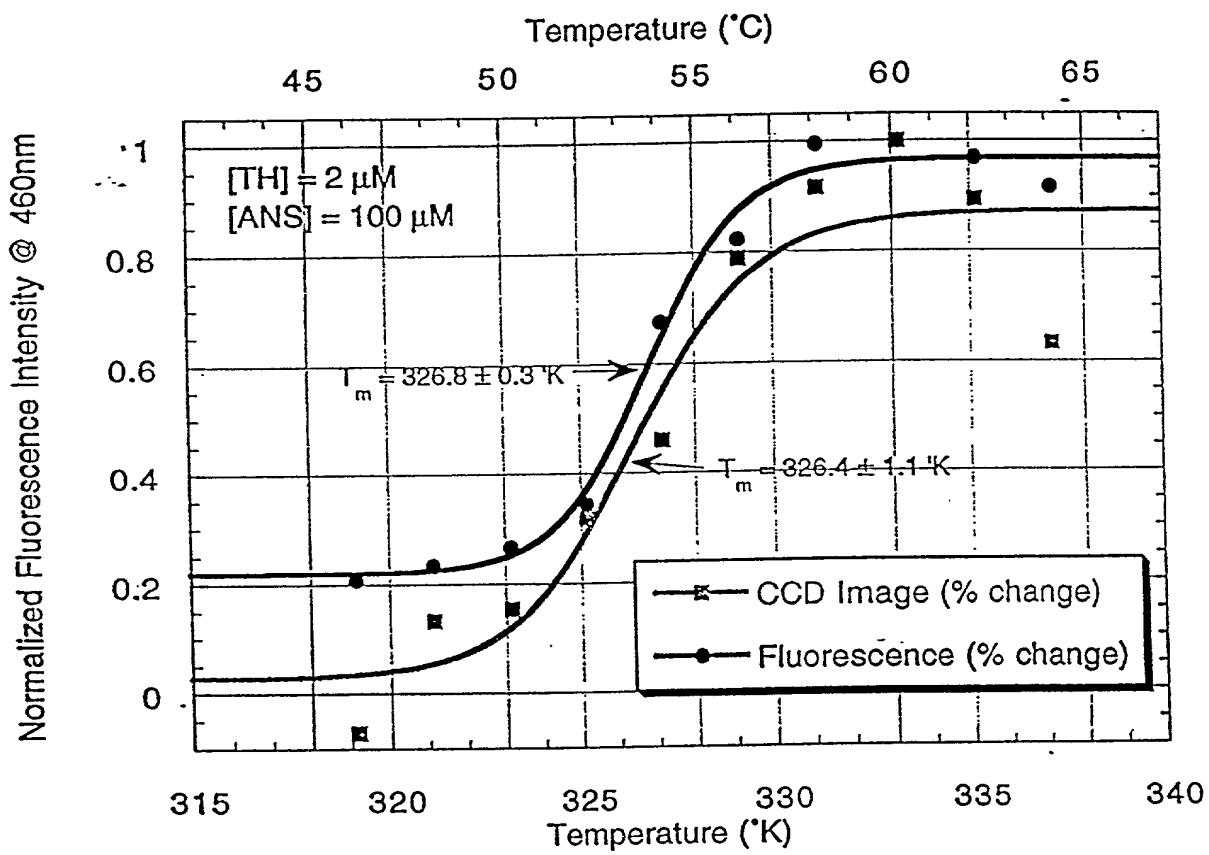
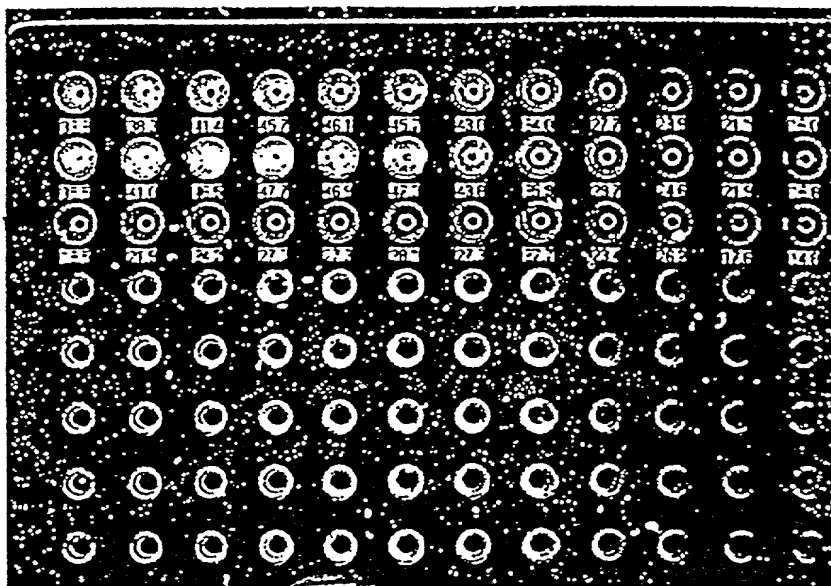


FIG. 41A

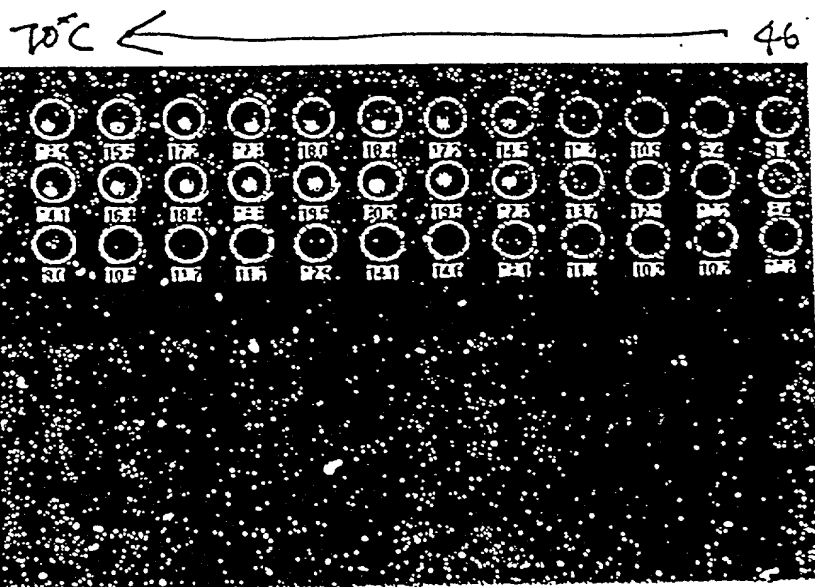
control →
RNA/protein



66°C ← 44

FIG. 41B

control →



70°C ← 46

FIGURE 42

